# Wedron Silica Company

## Permit to Install Application

December 2011

Prepared For:



Prepared By:



**GZA** GeoEnvironmental, Inc.

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#### 1.0 INTRODUCTION

Fairmount Minerals, Ltd. (FML) owns and operates the Wedron Silica Company (Wedron) located at 3450 East 2056<sup>th</sup> Road, Wedron, LaSalle County, Illinois. The Wedron facility has been in operation for over 100 years producing high purity, round grain silica sand. Wedron consists of a sand mining site and a sand processing plant.

The Wedron facility is currently subject to Operating Permit No. 73031358 issued by IEPA most recently on July 16, 2007. Wedron is also currently subject to Construction Permit (CP) No. 06080002 for Rotary Sand Dryer #2 and related equipment, CP No. 09070046 which addresses the sand cooling process, CP No. 10050019 for changes to the finished product load-out area, and CP No. 10120010 for new sand processing equipment and associated dust collector, which was issued on March 8, 2011.

FML also owns and operates Technisand, Inc., a sand coating facility which is located adjacent to the Wedron Silica Company. As a result, the facilities are considered contiguous with respect to the Title V Program. Due to potential emissions that exceed the Title V major source threshold, the facilities are subject to the Clean Air Act Permitting Program (CAAPP).

The CAAPP application for the Wedron Complex was received by IEPA on August 24, 2009 and determined to be administratively complete on September 2, 2009. The CAAPP permit, once issued, will replace the existing Operating Permit and Construction Permits.

At this time, the Wedron facility is proposing to make changes to the existing plant including the construction of a new sand processing line with associated shipping (truck and rail load out) equipment. The proposed process additions at Wedron require the acquisition of a Construction Permit (CP) from the IEPA pursuant to Section 201.142 of the Illinois Administrative Code (Title 35). The application provided herein addresses the requirements to obtain a CP from the Illinois Environmental Protection Agency - Bureau of Air (IEPA-BOA). This Technical Support Document serves as supplemental information to Form 199-CAAPP for a "Construction Permit Application for a Proposed Project at a CAAPP Source."

Appendix A presents Form 199-CAAPP in addition to other forms required by the IEPA-BOA. Figure 1 illustrates the proposed project location in relation to the Wedron Site.

#### 2.0 PROCESS DESCRIPTION

#### 2.1 Existing Processes

The existing process at the Wedron facility begins with the mining and handling of wet sand. Particulate matter emissions from wet sand processing equipment have historically been considered negligible. After the mining of the wet sand, the facility employs rotary driers to remove the moisture from the sand. After cooling, the sand is further processed through various screening operations, is moved throughout the facility using conveyors and bucket elevators, and is stored in various silos prior to being loaded to trucks and rail cars. For many emission units, potential emissions of particulate matter are reduced by venting the exhaust from the process equipment to baghouse dust collectors and/or wet scrubbers.

The facility as a whole is currently capable of processing a maximum of 300 tons per hour (TPH), and 2.628 million tons of sand per year (TPY).

#### 2.2 Proposed Changes to the Facility

As indicated in Section 1.0, FML will be installing a new sand processing line with associated shipping (truck and rail load out) equipment at the Wedron complex. The line will consist of a natural gas fired rotary dryer, scalping screen, several Megatex and Apex screeners, and various belt conveyors, bucket elevators, and silos. Emissions of particulate matter from the rotary dryer, scalping screen, two conveyors and two elevators will be controlled by a baghouse dust collector (DC 3300). Particulate emissions from the remaining conveyors, screens, elevators and load-out operations will be controlled with a second baghouse dust collector (DC 6300).

In order to link the new processing line to the existing load-out stations and the Technisand Wedron facility, FML is proposing to install additional, new sand processing equipment. Two new silos, along with two bucket elevators and five new conveyors, will be installed to modify the existing "Wedron 2.5" processing line. Potential emissions from all of the new equipment proposed for the "Wedron 2.5" processing line with the exception of one conveyor (BC6400) will be vented to a new baghouse dust collector DC6400. Conveyor BC6400 will be vented to the existing baghouse dust collector BH5000.

A summary of the individual pieces of process equipment associated with the processing of dry sand that will be installed are provided in the following table:

Operators		
Identification	Emission Unit Description	Control Device ID
DC3300	Dust Collector	na
RD3300	9' x 46' Rotary Dryer	DC3300
BC3300	Belt Conveyor from Rotary Dryer to Scalping Screen	DC3300
EL3300	Bucket Elevator to Screen Tower Raw Storage Silo	DC3300
SH3300	Raw Storage Silo #1 w/ gate actuator	DC3300
BC3310	Belt Conveyor for Scalping Screen to Bucket Elevator	DC3300
EL3310	Bucket Elevator to Scalping Screen	DC3300
VS3300	Megatex Scalping Screen	DC3300
DC6300	Dust Collector	na
	Belt Conveyor from Raw Storage Silo's to Screen	DC6300
BC5300	Tower Feed Elevator	
	Bucket Elevator to Screen Tower (Feed by Raw	DC6300
EL5300	Storage Silo #1)	
SH5300	Surge Hopper	DC6300
VS5310	Megatex #1	DC6300
VS5320	Megatex #2	DC6300
VS5330	Megatex #3	DC6300
VS5340	Megatex #4	DC6300
VS5350	Apex Screen #1	DC6300
VS5360	Apex Screen #2	DC6300
VS5370	Megatex #5	DC6300
VS5380	Megatex #6	DC6300
VS5390	Apex Screen #3	DC6300
VS5400	Apex Screen #4	DC6300
VS5410	Apex Screen #5	DC6300
VS5420	Apex Screen #6	DC6300
BC5310	20/40 Belt Conveyor	DC6300
BC5320	30/50 Belt Conveyor	DC6300
BC5330	100 Mesh Belt Conveyor	DC6300
BC5340	40/70 Belt Conveyor	DC6300
BC5390	Alternative 30-50 Conveyor	DC6300
BC5350	20/40 Belt Conveyor	DC6300
BC5360	30/50 Belt Conveyor	DC6300
BC5370	100 Mesh Belt Conveyor	DC6300
BC5380	40/70 Belt Conveyor	DC6300
EL5310	20/40 Finish Product Bucket Elevator	DC6300
EL5320	30/50 Finish Product Bucket Elevator	DC6300
EL5330	40/70 Finish Product Bucket Elevator	DC6300
EL5340	100 Mesh Finish Product Bucket Elevator	DC6300
EL5350	30-50 Rescreen Bucket Elevator	DC6300

Operators		
Identification	Emission Unit Description	Control Device ID
TA5300	20/40 Finish Product Silo w/ gate actuator	DC6300
TA5310	30/50 Finish Product Silo w/ gate actuator	DC6300
TA5320	30/50 Finish Product Silo w/ gate actuator	DC6300
TA5330	100 Mesh Finish Product Silo w/ gate actuator	DC6300
TA5340	40/70 Mesh Finish Product Silo w/ gate actuator	DC6300
BC6300	Belt Conveyor under Finish Product Silos	DC6300
EL6300	Bucket Elevator	DC6300
BC6310	Belt Conveyor to Pre Load out Silos	DC6300
TA6300	Finish Product Pre Load Out Silo #1	DC6300
TA6310	Finish Product Pre Load Out Silo #2	DC6300
TS6300	Rail Load Spout	DC6300
BC6320	Belt Conveyor to Bucket Elevator	DC6300
EL6310	Bucket Elevator	DC6300
BC6330	Belt Conveyor Load Out	DC6300
BC6340	Belt Conveyor	DC6300
TA6320	Truck Loading Silo #1	DC6300
TS6310	Truck Load Spout	DC6300
<b>DC</b> 6400	Dust Collector	na
BC6410	Belt Conveyor #1 to TW	DC6400
BE6410	Bucket Elevator to TW	DC6400
TA6400	TW Silo #1	DC6400
TA6410	TW Silo #2	DC6400
BC6420	Belt Conveyor under TW Silos	DC6400
BE6420	Bucket Elevator	DC6400
BC6430	Belt Conveyor	DC6400
BC6440	Belt Conveyor to TW Feed	DC6400
BC6400	Belt Conveyor from Truck Load-out	BH5000*

<sup>\*</sup> Existing Baghouse Dust Collector

Several currently applicable permits are based upon facility wide sand processing limits of 300 TPH and 2.628 million TPY. In addition, Permit No. 10050019 contains a facility wide PM<sub>10</sub> emission limit of 175 TPY. As part of the proposed modifications and additions to the facility, Fairmount is requesting an increase to the facility wide sand processing rate to 600 TPH and 5.256 million TPY. Commensurate with the increase to the sand processing rate associated with this proposed permit modification, and to incorporate the modifications from Permit 10120010, Fairmount is requesting an increase to the facility wide PM<sub>10</sub> emission limit to 187 TPY. These limitations, along with existing and proposed emission control equipment, will allow for

operational flexibility within the sand processing facility, while maintaining continued compliance with applicable  $PM_{10}$  regulations.

It should be noted that additional equipment will be added for the processing of wet sand as well. The handling of wet sand results in insignificant quantities of criteria pollutant emissions (e.g., PM); therefore, it is not included in the application.

#### **EMISSIONS SUMMARY AND CALCULATIONS** 3.0

The sand handling equipment proposed for installation at the Wedron Facility will result in potential emissions of particulate matter (PM/PM<sub>10</sub>). The proposed rotary dryer which will combust natural gas, will result in potential emissions of carbon monoxide (CO), nitrogen oxides (NO<sub>X</sub>), volatile organic compounds (VOCs), sulfur dioxide (SO<sub>2</sub>), and greenhouse gases (GHGs).

#### 3.1 **PM Emissions**

As indicated in Section 2 of this document, the majority of new sand processing equipment will be vented to three (3) new dust collectors to reduce the emissions of  $PM_{10}$  into the ambient air (DC3300, DC6300, and DC6400). Potential emissions of PM<sub>10</sub> from the processes were determined based upon the maximum capacity of each dust collector (scfm), and the maximum outlet loading that each unit is designed to achieve per the manufacturer (i.e., exit grain loading). The following is an example of the calculation for PM<sub>10</sub> PTE from one of the dust collectors:

DC3300 Design capacity: 40,000 scfm

DC3300 Grain loading: 0.002 gr/scf

(40,000 scfm)(60 min/hr)(8,760 hr/yr)(0.002 gr/scf)(1 lb/7,000 gr)(1 ton/2,000 lb) = 3.0 TPY

This methodology ensures that the maximum potential emissions are calculated, regardless of the throughput capacity of each individual piece of equipment in the process. The attached Table 1 presents detailed calculations of emissions from all proposed equipment.

As presented in the Table in Section 2.2, the proposed belt conveyor from truck load-out (BC6400) will be vented to an existing dust collector (BH5000). To remain consistent with the manner in which emissions are calculated for previous permits for units vented to BH500, potential emissions from this units are based upon its maximum sand production rate, appropriate USEPA published emission factors from the FIRE application website, and expected control efficiency:

BC6400 throughput: 400 TPH

Stationary Point and Area Sources (AP-42), 5th ed.

Control Efficiency: 99%

 $(400 \text{ TPH})(8,760 \text{ hr/yr})(0.0064 \text{ lb PM}_{10}/\text{ton}) (1 \text{ ton/2},000 \text{ lb})(1-0.99 \text{ C.E.}) = 0.112 \text{ TPY}$ 

**Combustion Emissions** 3.2

The combustion of natural gas in the proposed rotary dryer will result in potential emissions of the following criteria air pollutants: NO<sub>X</sub>, CO, SO<sub>2</sub>, and VOCs. The proposed unit has a maximum heat input capacity rating of 100 million Btu per hour (MMBtu/hr). The PTE for pollutants from combustion of natural gas is estimated utilizing the maximum rated capacity of the dryer, maximum annual hours of operation (8,760 hours), and the appropriate emission factor from USEPA publication AP-42, Compilation of Air Pollutant Emission Factors, Volume I -

The combustion of natural gas also results in potential emissions of GHGs, primarily carbon dioxide (CO<sub>2</sub>), with small amounts of methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O). The PTE for each of these is also estimated utilizing the maximum rated capacity of the drier in MMBtu/hr, and maximum annual hours of operation (8,760 hours). The appropriate emission factors are obtained from Table C-1 of 40 CFR Part 98, Subpart C of the Mandatory Greenhouse Gas Reporting Rule. Mass-based emissions of each gas are then converted to CO<sub>2</sub>-equivalents (CO<sub>2</sub>e) using the Global Warming Potential (GWP) values presented in Table A-1 of 40 CFR

Part 98, Subpart A.

Table 1 presents detailed emission calculations for criteria air pollutants and GHGs as CO<sub>2</sub>e.

#### 4.0 REGULATORY ANALYSIS

#### 4.1 Federal New Source Review (40 CFR Part 52)

The Wedron facility is located within an area that has attained the National Ambient Air Quality Standards (NAAQS) for all criteria pollutants. The facility is not a major stationary source under federal New Source Review - Prevention of Significant Deterioration (PSD) regulations because potential emissions of criteria pollutants do not exceed 250 tons per year. Accordingly, if a modification occurs at the facility, the modification itself must be considered major (i.e., result in an emissions increase greater than 250 TPY) in order to trigger a review under PSD.

As demonstrated in Table 1, the maximum potential emissions increase for the proposed project will not exceed the PSD major modification thresholds (i.e., 250 TPY of any criteria pollutant). Therefore, the project does not meet the definition of a major modification to an existing minor source and is not subject to review under federal NSR.

#### 4.2 Federal New Source Performance Standards (40 CFR Part 60)

40 CFR Part 60, Subpart OOO identifies standards of performance for Nonmetallic Mineral Processing Plants. A "Nonmetallic Mineral Processing Plant" is defined as "any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located..." The Wedron facility does not have any processes where crushing or grinding of sand is conducted, and therefore does not meet the definition of a Nonmetallic Mineral Processing Plant, and NSPS Subpart OOO does not apply.

40 CFR Part 60, Subpart UUU identifies standards of performance for Calciners and Dryers in Mineral Industries constructed, modified, or reconstructed after April 23, 1986. The Wedron facility is subject to 40 CFR Part 60, Subpart UUU because of the two dryers currently present at the facility commenced construction after the effective date of the rule; April 23, 1986. The proposed new rotary dryer (RD3300) will also be subject to the provisions of Subpart UUU.

40 CFR Part 60, Subpart Dc applies to Small Industrial-Commercial-Institutional Steam Generating Units constructed after June 9, 1989. The proposed dryer is considered a process heater, not a steam generating unit. Process heaters are not considered to be an affected source subject to the requirements of Subpart Dc.

#### 4.3 Federal Section 112(g) Applicability (40 CFR Part 63)

Section 112(g) of the federal Clean Air Act (CAA) requires any newly constructed or reconstructed major sources of HAPs to meet maximum achievable control technology (MACT) standards. The Wedron complex is considered a major source of HAPs due to emissions of organic HAPs from the Technisand Wedron resin-coating operation. The equipment proposed for installation at the Wedron facility will not result in emissions of HAPs. Therefore, there are no applicable MACT requirements under Section 112(g) as there are no new or reconstructed sources of HAPs as part of the project.

#### 4.4 Federal Section 112(d) Applicability (40 CFR Part 63)

There are no Categorical MACT standards under Section 112(d) which apply to the Wedron facility.

#### 4.5 State New Source Review

Title 35: Subtitle B, Chapter I, Section 201.142 which states the following:

"No person shall cause or allow the construction of any new emission source or any new air pollution control equipment, or cause or allow the modification of any existing emission source or air pollution control equipment, without first obtaining a construction permit from the Agency."

Based upon a comprehensive review of the state air pollution control regulations and air permit exemptions, it has been determined that a CP is required for certain changes under the proposed project pursuant to Title 35: Subtitle B, Chapter I, Section 201.142. Submittal of this application addresses the State of Illinois' minor NSR program requirements.

The facility will also be required to obtain an operating permit for the proposed equipment. As previously indicated, IEPA is currently processing a CAAPP operating permit application submitted by the Wedron complex. The CAAPP permit, once issued, will replace the existing Operating Permit and Construction Permits applicable to the Wedron and Technisand Wedron facilities. Wedron will be prepared to submit an operating permit application or addendum to the CAAPP application as required by the IEPA-BOA.

#### 4.6 State Subpart K – Fugitive Particulate Emissions

The air pollution control rules contain standards and limitations for particulate matter emissions in Part 212 Subpart K of the Illinois Administrative Code (Title 35). The standards applicable to the proposed project have been addressed below.

Section 212.301 (Rule 301) - Fugitive Particulate Matter

Rule 301 states that:

"No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source."

Wedron is currently subject to this requirement and any new sand processing equipment will also be subject to this requirement.

Section 212.307 (Rule 307) – Materials Collected by Pollution Control Equipment

Rule 307 states that:

"All unloading and transporting operations of materials collected by pollution control equipment shall be enclosed or shall utilize spraying, pelletizing, screw conveying or other equivalent methods."

As previously indicated, the proposed emission units will be controlled by baghouse dust collectors. Consequently, Wedron will continue to be required to unload and transfer all materials collected by the control devices in accordance with a method or equivalent method to those provided in Rule 307.

<u>Section 212.308 (Rule 308) – Spraying or Choke-Feeding Required</u>

Rule 308 states that:

"Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, conveyors, bagging operations, storage bins and fine product truck and railcar loading operations shall be sprayed with water or a surfactant solution, utilize choke-

feeding or be treated by an equivalent method in accordance with an operating program."

The proposed project will include the installation of screening operations, conveyor transfer points and bucket elevators. The equipment will be incorporated into the facility's existing Fugitive Dust Plan. Accordingly, Wedron will continue to meet the requirement of Rule 308.

#### Section 212.309 (Rule 309) - Operating Program

Rule 309 states that:

"a) The emission units described in Sections 212.304 through 212.308 and Section 212.316 of this Subpart shall be operated under the provisions of an operating program, consistent with the requirements set forth in Sections 212.310 and 212.312 of this Subpart, and prepared by the owner or operator and submitted to the Agency for its review. Such operating program shall be designed to significantly reduce fugitive particulate matter emissions."

Wedron plans to update its Fugitive Dust Plan (i.e., "operating program") to accommodate the equipment installations contained in this application. The Fugitive Dust Plan will be updated in accordance with the minimum requirements listed in Rule 310 as well. An amended Plan will be submitted to the Agency for review pursuant to Rule 312.

#### 4.7 State Subpart L – Particulate Matter Emissions From Process Emission Units

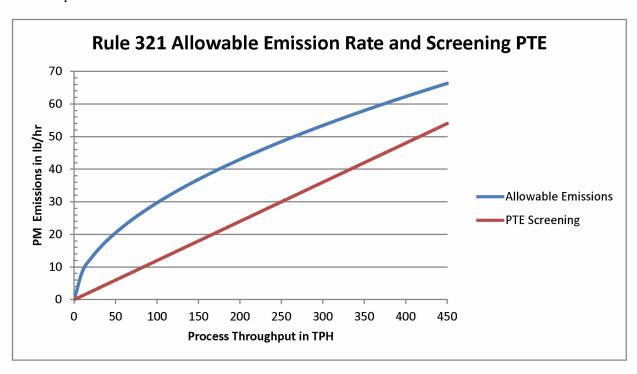
Section 212.321 (Rule 321) indicates that process emission units for which construction or modification commenced on or after April 14, 1972 shall not cause or allow the emission of PM into the atmosphere in any one hour period to exceed the allowable emission rate. The new processing line will be capable of handling 300 TPH, while some of the equipment associated with load-out will be able to process a maximum of 400 TPH of sand on a short-term basis. Rule 321 indicates that for processes with 450 TPH or less the following equation is used to determine the allowable PM emission rate:

 $E = 2.54*P^{0.534}$ 

P = Process weight rate

E = Allowable emission rate

Potential emissions from individual equipment may be calculated using emission factors published by the EPA. As with the equation from Rule 321, the emission factors estimate emissions based upon the process throughput in tons per hour. The equipment with the highest emission factor is the screens, which have potential emissions equal to 0.12 lb PM<sub>10</sub> per ton of sand processed, prior to controls. The graph below plots the allowable emissions as a function of throughput, and the maximum PTE from screening as a function of throughput, based upon the above equations.



An example calculation of the allowable emissions and uncontrolled potential emissions of an Apex Screen with 60 TPH capacity:

Allowable Emissions	Potential Uncontrolled Emissions
$E = 2.54 * P^{0.534}$	E = 0.12*P
$E = 2.54*60^{0.534}$	E = 0.12*60
E = 22.61  lb/hr	E = 7.2  lb/hr

As the graph demonstrates, regardless of the throughput (up to 450 TPH), the potential uncontrolled emissions from any screening operation will be less than the allowable rate calculated by Rule 321. Other operations (e.g., conveyors, silos) with lower emission factors will also be in compliance with Rule 321 regardless of the throughput. Therefore, all the proposed equipment will comply with Rule 321.

#### 5.0 CONCLUSION

Fairmount Minerals, Ltd. is submitting this application as a formal request to obtain a Construction Permit from the Illinois Environmental Protection Agency for proposed additions to their sand processing plant. These proposed changes are supported by an appropriate demonstration indicating that the facility will continue to comply with the provisions of State and Federal Air Quality Regulations. The appropriate forms required by the IEPA-BOA (e.g., Form 199-CAAPP, etc.) are included in Appendix A.

**Tables** 

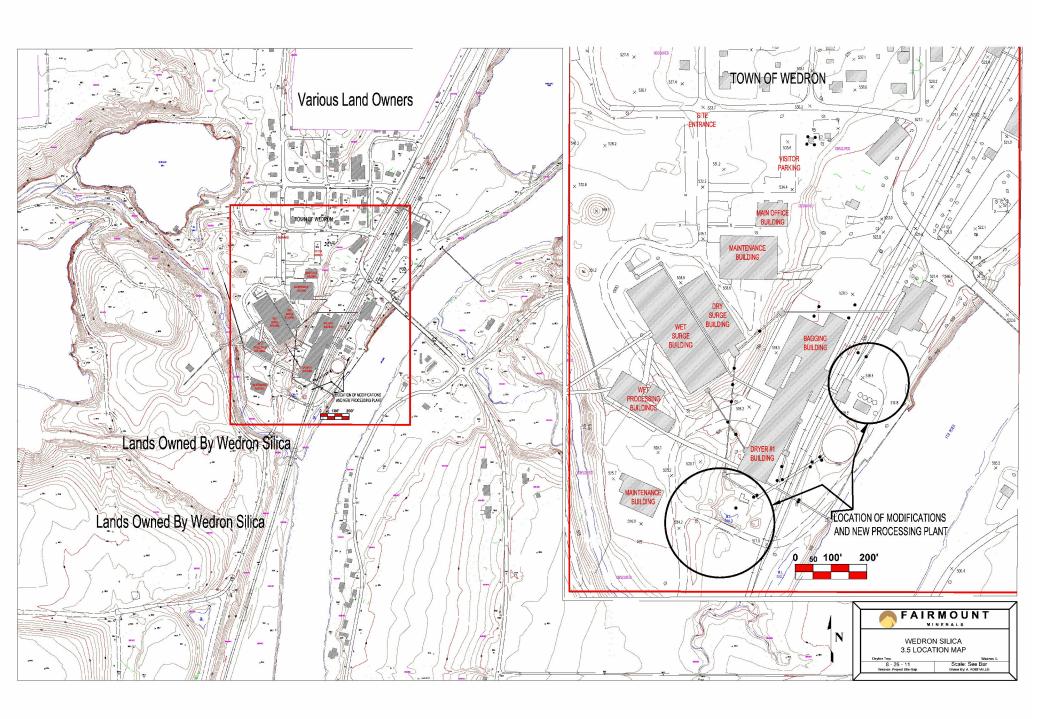
# TABLE 1 WEDRON SILICA COMPANY EMISSIONS LIST AND POTENTIAL EMISSIONS

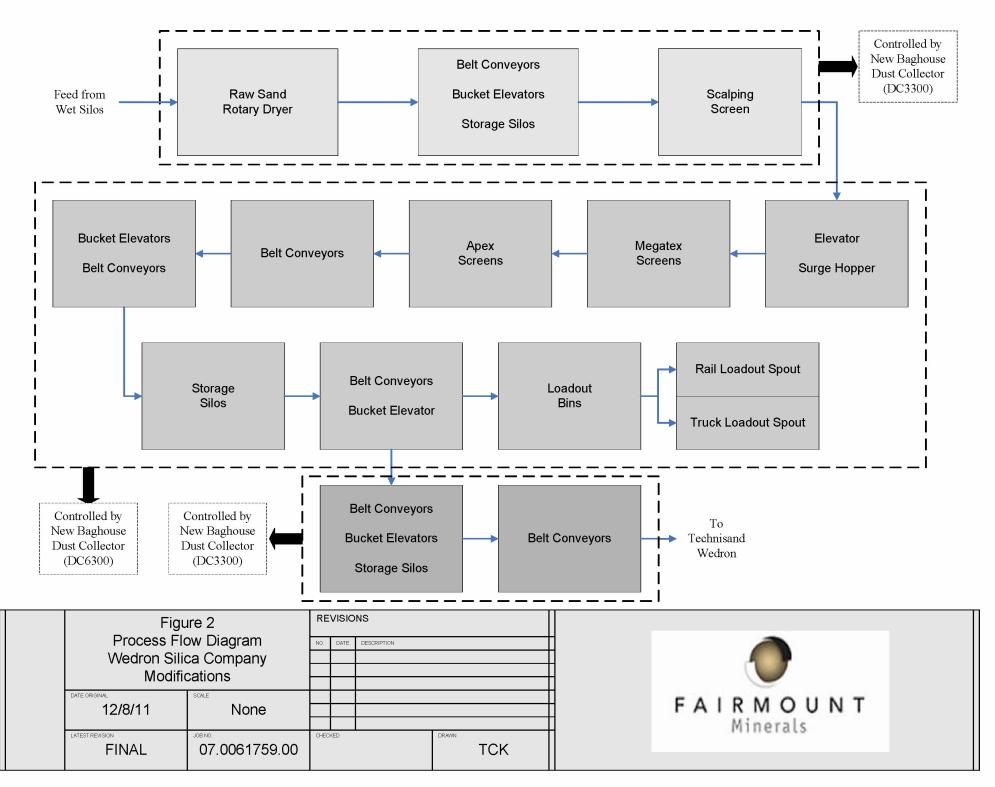
			Source	Units for	Potential												
Operator's			Capacity/	Capacity/	Hours of		Ph	110	,		, N	O <sub>x</sub>	Į.	1	' c	:0	J.
Identification	Emission Unit Description	SOC	Rating	Rating	Operation	EF	EF Units	Potential	Potential	EF	EF Units			EF	EF Units	Potential	
								(lb/hr)	(tpy)			(lb/hr)	(tpy)			(lb/hr)	(tpy)
Emissions from S	and Processing																
New Equipment Ven	nted to New DC3300 Baghouse																
RD3300	9'x 46' Rotary Dryer	3-05-025-08								-				-			-
BC3300	Belt Conveyor from Rotary Dryer to Scalping Screen	3-05-025-03								-	191	-	101	-	121	-	-
EL3300	Bucket Elevator to Screen Tower Raw Storage Silo	3-05-025-03											1-1	-	1-	-	-
SH3300	Raw Storage Silo #1 w/ gate actuator	3-05-025-06	40,000	scfm	8,760	0.002	gr/dscf	0.69	3.00	-			-		1-	-	-
BC3310 EL3310	Belt Conveyor for Scalping Screen to Bucket Elevator  Bucket Elevator to Scalping Screen	3-05-025-03								- 1			-	-	-	-	-
VS3300	Megatex Scalping Screen	3-05-025-11								-			-	-	-	-	-
	nted to New DC6300 Baghouse												<b></b>				
BC5300	Belt Conveyor from Raw Storage Silo's to Screen Tower Feed Elevator	3-05-025-03								-	- 12	-	151	- 5	15	-	-
EL5300	Bucket Elevator to Screen Tower (Feed by Raw Storage Silo #1)	3-05-025-03								2	190	-		-	197	-	
SH5300	Surge Hopper	3-05-025-06								-	7-1	-	-	-	1-1	-	-
VS5310 VS5320	Megatex #1 Megatex #2	3-05-025-11 3-05-025-11								2	(5)	1	100	0.00			2
VS5330	Megatex #3	3-05-025-11								-	-		-	-	1-	-	-
VS5340	Megatex #4	3-05-025-11								-	100	-	150	-	25-2	-	-
VS5350	Apex Screen #1	3-05-025-11								-	- 151	- 5	151	-	15	-	-
VS5360	Apex Screen #2	3-05-025-11								-	141	-	-	-	1-	-	-
VS5370 VS5380	Megatex #5 Megatex #6	3-05-025-11 3-05-025-11									1-1			1 1	15	-	-
VS5390	Apex Screen #3	3-05-025-11										-		-	-	-	
VS5400	Apex Screen #4	3-05-025-11								-				-		-	-
VS5410	Apex Screen #5	3-05-025-11								-	120	-	1-1	-	25-1	-	-
V\$5420	Apex Screen #6	3-05-025-11								2	121		101		12		
BC5310 BC5320	20/40 Belt Conveyor 30/50 Belt Conveyor	3-05-025-03 3-05-025-03								-	1-1	-	1-1	-	-	-	-
BC5330	100 Mesh Belt Conveyor	3-05-025-03									-		-		-		-
BC5340	40/70 Belt Conveyor	3-05-025-03								2	120	-		- 2		-	. 2
BC5390	Alternative 30-50 Conveyor	3-05-025-03								-	14.0		580		1-1	-	-
BC5350	20/40 Belt Conveyor	3-05-025-03									(5)		0.50		0.00		
BC5360	30/50 Belt Conveyor	3-05-025-03								-	-		101	-	1-	-	-
BC5370 BC5380	100 Mesh Belt Conveyor 40/70 Belt Conveyor	3-05-025-03 3-05-025-03	35,000	scfm	8,760	0.002	gr/dscf	0.60	2.63		-	- :	-		-		-
EL5310	20/40 Finish Product Bucket Elevator	3-05-025-03								-	-		-	-	-	-	-
EL5320	30/50 Finish Product Bucket ⊟evator	3-05-025-03								2	100				-	-	
EL5330	40/70 Finish Product Bucket Elevator	3-05-025-03								-	7-0	-	191	-	(=)	-	-
EL5340	100 Mesh Finish Product Bucket Elevator	3-05-025-03							l		(2)	-	1.50		127	-	-
EL5350	30-50 Rescreen Bucket Elevator	3-05-025-03								-	-	-			-	-	-
TA5300 TA5310	20/40 Finish Product Silo w/ gate actuator 30/50 Finish Product Silo w/ gate actuator	3-05-025-06									-		-				-
TA5320	30/50 Finish Product Silo w/ gate actuator	3-05-025-06								-		-		-	-	-	-
TA5330	100 Mesh Finish Product Silo w/ gate actuator	3-05-025-06								-	100	-	1-0	-	1-	-	-
TA5340	40/70 Mesh Finish Product Silo w/ gate actuator	3-05-025-06								-	7=1	-	180	-	1=	-	-
BC6300	Belt Conveyor under Finish Product Silos	3-05-025-06								-	-		-	-	-	-	-
EL6300 BC6310	Bucket Elevator  Belt Conveyor to Pre Load out Silos	3-05-025-03 3-05-025-06								-	-	-		-	-	-	-
TA6300	Finish Product Pre Load Out Slio #1	3-05-025-06								-	100	-	-	-	15.	-	-
TA6310	Finish Product Pre Load Out Silo #2	3-05-025-06								2	121	9	100		12		2
TS6300	Rail Load Spout	3-05-025-06								-	191	-	191	-	19	-	-
BC6320	Belt Conveyor to Bucket Elevator	3-05-025-03									74.0	-	-	-	( <del>-</del> )	-	-
EL6310 BC6330	Bucket Elevator  Belt Conveyor Load Out	3-05-025-03 3-05-025-03												-	12		-
BC6340	Belt Conveyor	3-05-025-03								-		-				-	-
TA6320	Truck Loading Silo #1	3-05-025-06								-	-			-	-	-	-
TS6310	Truck Load Spout	3-05-025-08									- 12	- 2	101		101		
	nted to Existing BH5000 Baghouse	0.05.005.11					% Baghouse o										
BC6400	Belt Conveyor from Truck Load-out nted to New DC6400 Baghouse	3-05-025-03	400	TPH	8,760	0.0064	lb/ton	0.0256	0.112			-	-	-	-	-	-
New Equipment ven BC6410	Belt Conveyor #1 to TW	3-05-025-03								<del></del>			<b>—</b>	<del></del>			<b>—</b>
BE6410	Bucket Elevator to TW	3-05-025-03								- 1	100		- 10	-	12		
TA6400	TW Silo #1	3-05-025-06								-	14.1		141			-	-
TA6410	TW Silo #2	3-05-025-06	10.000	scfm	8.760	0.002	gr/dscf	0.17	0.75	-		-	-	-		-	-
BC6420	Belt Conveyor under TW Silos	3-05-025-03	14,400		5,,55	J. J.J.	griddor	4.17	0.70		101		101		10		
BE6420 BC6430	Bucket Elevator Belt Conveyor	3-05-025-03 3-05-025-03									141	-	-	-	1-	-	-
BC6440	Belt Conveyor to TW Feed	3-05-025-03								-		-	-	-	-	-	-
		0.00.000									100		607				
Emissions from N	latural Gas Combustion																
RD3300	9' x 46' Rotary Dryer	1	100	MMBtu/hr	8,760	PM <sub>ii</sub> emis	sion accounted	for in DC3300	Baghouse	100	lb/mmscf	10.00	43.80	84	lb/mmscf	8.40	36.79
					<u> </u>					<del>                                     </del>			t		<b>-</b>		1
											1	10.00	43.80			8.40	36.79

# TABLE 1 WEDRON SILICA COMPANY EMISSIONS LIST AND POTENTIAL EMISSIONS

			Source	Units for	Potential											ENHOUSE G	ASES	
Operator's	We started that make the second started	100,000	Capacity/	Capacity/	Hours of			Cs	The second second	6.06		O <sub>2</sub>	N	CO <sub>2</sub>	CH4	N₂O		O <sub>z</sub> e
Identification	Emission Unit Description	SCC	Rating	Rating	Operation	EF	EF Units	Potential (lb/hr)	Potential (tpy)	EF	EF Units	Potential (lb/hr)	Potential (tpv)		mission Facti (kg / mmBtu)	or	Potential (lb/hr)	Potential (tpy)
								(IMTII)	(tpy)			(IIS/III)	(tpy)		(Ng / IIIIIIDiu)		(ID/III)	(ψ)/
Emissions from S	5																	
New Equipment Ven RD3300	nted to New DC3300 Baghouse  9' x 46' Rotary Dryer	3-05-025-08																
BC3300	Belt Conveyor from Rotary Dryer to Scalping Screen	3-05-025-03						101	-			100	-	-	101	-	1.0	
EL3300	Bucket Elevator to Screen Tower Raw Storage Silo	3-05-025-03				-		-		-	-	1-	-				-	
SH3300	Raw Storage Silo #1 w/ gate actuator	3-05-025-06	40,000	scfm	8,760					-		-	-				-	
BC3310 EL3310	Belt Conveyor for Scalping Screen to Bucket Elevator  Bucket Elevator to Scalping Screen	3-05-025-03 3-05-025-03				- 5	-		-		-	15			-	-	-	-
VS3300	Megatex Scalping Screen	3-05-025-03						7-1	-			1-	-		-		-	
	nted to New DC6300 Baghouse																	
BC5300	Belt Conveyor from Raw Storage Silo's to Screen Tower Feed Elevator	3-05-025-03					-	- 10	-	(5)	-	151	-	-	101	-	(5)	-
EL5300	Bucket Elevator to Screen Tower (Feed by Raw Storage Silo #1)	3-05-025-03				- 4		100	-	-		122	-		101			
SH5300 VS5310	Surge Hopper Megatex #1	3-05-025-06				-	-		-	-	-	1-	-	-	-	-	-	-
VS5320	Megatex #2	3-05-025-11					2	(2)	1		2	10		2				2
VS5330	Megatex #3	3-05-025-11				-		-			-	1-	-					-
VS5340	Megatex #4	3-05-025-11				-	-	586	-	1-1	-	15	-	-	141	-	120	-
VS5350 VS5360	Apex Screen #1 Apex Screen #2	3-05-025-11				=	-	151	-	1.5		15	-	-		-	150	-
VS5370	Apex Screen #2 Megatex #5	3-05-025-11				-		-			-	1-	-	-		-	-	-
VS5380	Megatex #6	3-05-025-11								1 .		-				:		
VS5390	Apex Screen #3	3-05-025-11				-	-			191	-		-	-			- 1	-
VS5400	Apex Screen #4	3-05-025-11				-	-	-		-	-	1-	-		140	-		-
VS5410 VS5420	Apex Screen #5 Apex Screen #6	3-05-025-11				-	-	5-0	-	-	-	-	-	-	-	-		-
BC5310	20/40 Belt Conveyor	3-05-025-03							-		-	1-		-	-	-	-	-
BC5320	30/50 Belt Conveyor	3-05-025-03				-		-			-	1.0	-				-	
BC5330	100 Mesh Belt Conveyor	3-05-025-03				-		-			-	-	-	-			0.70	-
BC5340	40/70 Belt Conveyor	3-05-025-03				- 4		193	-			127	- 4		101	- 2	101	
BC5390 BC5350	Alternative 30-50 Conveyor 20/40 Belt Conveyor	3-05-025-03	35,000			-		**	-	1.00	-	191	-		100			-
BC5330	30/50 Belt Conveyor	3-05-025-03						-	1		-		-		-		-	-
BC5370	100 Mesh Belt Conveyor	3-05-025-03		scfm	0.700	-		-			-	1-	-					
BC5380	40/70 Belt Conveyor	3-05-025-03		scrm	8,760					1+1		-	-				141	
EL5310	20/40 Finish Product Bucket Elevator	3-05-025-03				-	-			1.5	-	1.5	-	-		-		-
EL5320 EL5330	30/50 Finish Product Bucket Elevator 40/70 Finish Product Bucket Elevator	3-05-025-03 3-05-025-03				-	-	101			-	120	-		101		- 100	-
EL5340	100 Mesh Finish Product Bucket Elevator	3-05-025-03				-	- :	-	-	-	-		-	- :	-	- :		
EL5350	30-50 Rescreen Bucket Elevator	3-05-025-03				-	-	120				-	_	-	-			-
TA5300	20/40 Finish Product Silo w/ gate actuator	3-05-025-06				-	-				-	-	-					-
TA5310	30/50 Finish Product Silo w/ gate actuator	3-05-025-06				-	-	120		15.	-	15.	-	-	120		15.	-
TA5320 TA5330	30/50 Finish Product Silo w/ gate actuator 100 Mesh Finish Product Silo w/ gate actuator	3-05-025-06 3-05-025-06				- 5	-	151		(5)	-	1.5		-	151		(5)	-
TA5330	40/70 Mesh Finish Product Silo w/ gate actuator	3-05-025-06				-			<u> </u>	-	1	1-	-			-	-	
BO6300	Belt Conveyor under Finish Product Silos	3-05-025-06				-	-				-	-	-					-
EL6300	Bucket Elevator	3-05-025-03				-	-		-	101	-		-	-			121	-
BO6310	Belt Conveyor to Pre Load out Silos	3-05-025-06 3-05-025-06				-					-	100	-					-
TA6300 TA6310	Finish Product Pre Load Out Silo #1 Finish Product Pre Load Out Silo #2	3-05-025-06							1			10	- 6	1		1		1
TS6300	Rail Load Spout	3-05-025-06				-		1-1	1	1-0	-	-	-		-	-	1-1	-
BO6320	Belt Conveyor to Bucket Elevator	3-05-025-03				-	-	741		1-1	-	1-	-	-	141	-	1-1	-
EL6310	Bucket Elevator	3-05-025-03				-	-	(5)			-	-	-	-	(5)		-	-
BO6330 BO6340	Belt Conveyor Load Out Belt Conveyor	3-05-025-03 3-05-025-03				-	-	191	-	-	-	-	-	-	101	-		-
TA6320	Truck Loading Silo #1	3-05-025-03				-		-			1 .	-	_					
TS6310	Truck Load Spout	3-05-025-06				-		121		~	-	-		_	121	-	100	-
	nted to Existing BH5000 Baghouse																	
BO6400	Belt Conveyor from Truck Lozd-out	3-05-025-03	400	TPH	8,760	-	-	-	-	_	-	-	-	-		-	1-1	-
New Equipment Ven BO6410	nted to New DC6400 Baghouse Belt Conveyor #1 to TW	3-05-025-03					-		<del>                                     </del>	H .	-		<b>—</b>				H .	-
BE6410	Bucket Elevator to TW	3-05-025-03				-		121	1		-	- 15				-	-	
TA6400	TW Sile#1	3-05-025-06				-		14.0		141		191	-		100		181	-
TA6410	TW Silo #2	3-05-025-06	10.000	scfm	8.760	-		-		-	-	-	-	-			-	-
BO6420	Belt Conveyor under TW Silos	3-05-025-03	,000	1.557777				121		-	=	121		2	121		-	-
BE6420 BO6430	Bucket Elevator Belt Conveyor	3-05-025-03 3-05-025-03				-	-		1	-	-	1-	-	-			-	-
BO6440	Belt Conveyor to TW Feed	3-05-025-03				-		-	<u> </u>		-	-	<u> </u>		-	-	-	
	latural Gas Combustion																	
RD3300	9' x 46' Rotary Dryer		100	MMBtu/hr	8,760	5.5	lb/mmscf	0.55	2.41	0.6	lb/mmscf	0.06	0.26	53.02	0.001	0.0001	11,700	51,248
	Total PTE							0.55	2.41			0.06	0.26				11,700	51,248

Figures





### Appendix A

Construction Permit Application Forms



#### Illinois Environmental Protection Agency Division Of Air Pollution Control -- Permit Section P.O. Box 19506 Springfield, Illinois 62794-9506

### Construction Permit Application for a Proposed Project at a CAAPP Source

For Illinois EPA t	use only
ID No.:	
Appl. No.;	
Date Rec'd:	
Chk No./Amt:	

This form is to be used to supply general information to obtain a construction permit for a proposed project involving a Clean Air Act Permit Program (CAAPP) source, including construction of a new CAAPP source. Detailed information about the project must also be included in a construction permit application, as addressed in the "General Instructions For Permit Applications," Form APC-201.

Working Name of Proposed Project:					
1. Working Warne of Proposed Project.					
Wedron 3.5					
2. Is the project occurring at a source that already has a permit from the Bureau of Air (BOA)?  ☐ No ☑ Yes If Yes, provide BOA ID Number: 0 9 9 8 0 4 A A B					
Does this application request a revision to an existing construction permit issued by the BOA?     No ☐ Yes If Yes, provide Permit Number:					
4. Brief Description of Proposed Project: Installation of sand processing equipment including a natural gas fired rotary dryer, screening machines, various conveyors and elevators, and associated dust collectors.					
See the "Technical Support Document" for more detail.					
Service Information					
Source Information					
1. Source name:* Wedron Silica Company					
2. Source street address:* 3450 East 2056th Road					
3. City: Wedron 4. County: LaSalle 5. Zip code:* 60557					
ONLY COMPLETE THE FOLLOWING FOR A SOURCE WITHOUT AN ID NUMBER.					
6. Is the source located within city limits? ☐ Yes ☒ No If no, provide Township Name: Dayton					
7. Description of source and product(s) produced: 8. Primary Classification Code of source:					
Mining and processing of industrial sand.  SIC: 1 4 4 6 or NAICS:					
9. Latitude (DD:MM:SS.SSSS): 10. Longitude (DD:MM:SS.SSSS):					
41.43530 -88.77263					
* Is information different than previous information?					
Identification of Permit Applicant					
1. Who is the applicant?  ☐ Owner ☐ Operator  2. All correspondence to: (check one) ☐ Owner ☐ Operator ☐ Operator					
<ul><li>3. Applicant's FEIN:</li><li>34-1440302</li><li>4. Attention name and/or title for written correspondence:</li><li>John Edney</li></ul>					

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

	Owner Inforn	nation*					
1. Name: Fairmount Minerals, Ltd.							
2. Address: 11833 Ravenna Road							
3. City: Chardon	4. State: OH		5. Zip code: 44024				
* Is this information idifferent than pre	<u>                                     </u>	es 🖾 No	11021				
If yes, then complete Form CAAPP 2	73 to apply for an Adminis	trative Change	to the CAAPP Permit for the source.				
Operato	r Information (if di	fferent from	n owner)*				
Name Wedron Silica Compar	ıy						
2. Address: 3450 East 2056th Ro	pad						
3. City: Wedron	4. State: IL		5. Zip code: 60557				
* Is this information different than prev		s 🗵 No					
If yes, then complete Form CAAPP 27	73 to apply for an Adminis	trative Change	to the CAAPP Permit for the source				
	chnical Contacts f						
Preferred technical contact: (ch	neck one)	licant's contac	ct 🛛 Consultant				
Applicant's technical contact p     Mr. John Edney	erson for application:						
3. Contact person's telephone nu	ımber(s)	Contact person's e-mail address:					
815-431-8643 5. Consultant for application: Mr. Thomas Klotz		Jonn.⊨an	ey@fmsand.com				
6. Consultant's telephone numbe 734-779-2428	er(s):	7. Consultant's e-mail address: Thomas.Klotz@GZA.com					
Other	Addresses for the	Permit Ap	pplicant				
	THE FOLLOWING FOR A S	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Address for billing Site Fees fo	or the source: U So	urce 🔲 🤇	Other (provide below):				
Contact person for Site Fees:     3. Contact person's telephone number:							
4. Address for Annual Emission F	Report for the source:	Source	Other (provide below):				
5. Contact person for Annual Em	ission Report:	6. Contact	person's telephone number:				

	Review Of Contents of the Application	on
	NOTE: ANSWERING "NO" TO THESE ITEMS MAY RESULT IN THE APPLICATION	BEING DEEMED INCOMPLETE
1.	Does the application include a narrative description of the proposed project?	X Yes □ No
2.	Does the application clearly identify the emission units and air pollution control equipment that are part of the project?	⊠ Yes □ No
3.	Does the application include process flow diagram(s) for the project showing new and modified emission units and control equipment, along with associated existing equipment and their relationships?	⊠ Yes □ No
4.	Does the application include a general description of the source, a plot plan for the source and a site map for its location?	∑ Yes
5.	Does the application include relevant technical information for the proposed project as requested on CAAPP application forms (or otherwise contain all relevant technical information)?	⊠ Yes □ No
6.	Does the application include relevant supporting data and information for the proposed project as provided on CAAPP forms?	⊠ Yes □ No
7.	Does the application identify and address all applicable emission standards for the proposed project, including: State emission standards (35 IAC Chapter I, Subtitle B); Federal New Source Performance Standards (40 CFR Part 60)?	⊠ Yes □ No
8.	Does the application address whether the project would be a major project for Prevention of Significant Deterioration, 40 CFR 52.21?	⊠ Yes □ No □ N/A
9.	Does the application address whether the project would be a major project for "Nonattainment New Source Review," 35 IAC Part 203?	⊠ Yes □ No □ N/A
10.	Does the application address whether the proposed project would potentially be subject to federal regulations for Hazardous Air Pollutants (40 CFR Part 63) and address any emissions standards for hazardous air pollutants that would be applicable?	Xes □ No □ N/A*     Source not major □     Project not major ⊠
11.	Does the application include a summary of annual emission data for different pollutants for the proposed project (tons/year), including: 1) The requested permitted emissions for individual new, modified and affected existing units*, 2) The past actual emissions and change in emissions for individual modified units* and affected existing units*, and 3) Total emissions consequences of the proposed project?  (* Or groups of related units)	Yes No N/A * The project does not involve an increase in emissions from new or modified emission units.
	Does the application include a summary of the current and requested potential emissions of the source (tons/year)?	Yes No N/A*  * Applicability of PSD, NA NSR or 40 CFR 63 to the project is not related to the source's emissions.
	Does the application address the relationships and implications of the proposed project on the CAAPP Permit for the source?	☐ Yes ☐ No ☒ N/A* * CAAPP Permit not issued
	If the application contains information that is considered a TRADE SECRET, has it been properly marked and claimed and all requirements to properly support the claim pursuant to 35 IAC Part 130 been met? Note: "Claimed" information will not be legally protected from disclosure to the public if it is not properly claimed or does not qualify as trade secret information.	Yes No N/A*  * No information in the application is claimed to be a TRADE SECRET
15.	Are the correct number of copies of the application provided? (See Instructions for Permit Applications, Form 201)	⊠ Yes □ No
16.	Does the application include a completed "FEE DETERMINATION FOR CONSTRUCTION PERMIT APPLICATION," Form 197-FEE, a check in the amount indicated on this form, and any supporting material needed to explain how the fee was determined?	⊠ Yes □ No

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Authoriz	Signature E	Block
the s that	statements and information contained in this ap I am a responsible official for the source, as de	ation and belief formed after reasonable inquiry, oplication are true, accurate and complete and fined by Section 39.5(1) of the Environmental
BY:	AUTHORIZED SIGNATURE	MILE OF SIGNATORY
•	Typed or printed name of Signatory	12 7 11 DATE

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#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506

SPRINGFIELD, ILLINOIS 62794-9506

### FEE DETERMINATION FOR **CONSTRUCTION PERMIT APPLICATION**

FOR AGENCY USE ONLY						
ID NUMBER:						
PERMIT #:	700000000000000000000000000000000000000					
FLINIUI #.						
COMPLETE	DATE COMPLETE:					
INCOMPLETE	:					
CHECK #:	ACCOUNT NAME:					

THIS FORM IS TO BE USED BY ALL SOURCES TO SUPPLY FEE INFORMATION THAT MUST ACCOMPANY ALL CONSTRUCTION PERMIT APPLICATIONS. <i>THIS APPLICATION MUST INCLUDE PAYMENT IN FULL TO BE DEEMED COMPLETE</i> . MAKE CHECK OR MONEY ORDER PAYABLE TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. SEND TO THE ADDRESS ABOVE. DO NOT SEND CASH. REFER TO INSTRUCTIONS (197-INST) FOR ASSISTANCE.						
SOURCE INFORMATION						
1) SOURCE NAME: Wedron Silica Company						
2) PROJECT NAME: Wedron 3.5	3) SOURCE ID NO. (IF APPLICABLE): 099804AAE	3				
4) CONTACT NAME: Mr. John Edney 5) CONTACT PHONE NUMBER: (815) 431-8643						
FEE DE	TERMINATION					
6) FILL IN THE FOLLOWING THREE BOXES AS DETERM	MINED IN SECTIONS 1 THROUGH 4 BELOW:					
\$ 0 + \$	10,000 = \$	10,000				
SECTION 1 SUBTOTAL SECTION :	2, 3 OR 4 SUBTOTAL GRAND TO	TAL				
SECTION 1: STATUS OF S	OURCE / PURPOSE OF SUBMITTAL					
<ul> <li>SYNTHETIC MINOR SOURCE IS A SOU PERMIT TO AVOID CAAPP PERMIT F</li> </ul>	ESPONDING FEE IN THE BOX TO THE RIGHT AI PROCEED TO APPLICABLE SECTIONS. IS REQUIRED TO OBTAIN A CAAPP PERMIT. JRCE THAT HAS TAKEN LIMITS ON POTENTIAL	ND COPY THIS				
EXISTING SOURCE WITHOUT STATUS CHANGE OF MINOR TO MAJOR SOURCE OR VICE VERSA. EN	OR WITH STATUS CHANGE FROM SYNTHETIC TER \$0 AND PROCEED TO SECTION 2.					
EXISTING NON-MAJOR SOURCE THAT WILL BECCENTER \$5,000 AND PROCEED TO SECTION 4.	OME SYNTHETIC MINOR OR MAJOR SOURCE.					
EXISTING MAJOR OR SYNTHETIC MINOR SOURCE ENTER \$4,000 AND PROCEED TO SECTION 3.	E THAT WILL BECOME NON-MAJOR SOURCE.	s0				
NEW MAJOR OR SYNTHETIC MINOR SOURCE. EN	NTER \$5,000 AND PROCEED TO SECTION 4.	SECTION 1 SUBTOTAL				
NEW NON-MAJOR SOURCE. ENTER \$500 AND PR	ROCEED TO SECTION 3.					
AGENCY ERROR. IF THIS IS A TIMELY REQUEST TO CORRECT AN ISSUED PERMIT THAT INVOLVES ONLY AN AGENCY ERROR AND IF THE REQUEST IS RECEIVED WITHIN THE DEADLINE FOR A PERMIT APPEAL TO THE POLLUTION CONTROL BOARD, THEN ENTER \$0. SKIP SECTIONS 2, 3 AND 4. PROCEED DIRECTLY TO SECTION 5.						
SECTION 2: SPECIAL CASE FILING FEE						
8) FILING FEE. IF THE APPLICATION ONLY ADDRESSES ONE OR MORE OF THE FOLLOWING, CHECK THE APPROPRIATE BOXES, ENTER \$500 IN THE SECOND BOX UNDER FEE DETERMINATION ABOVE, SKIP SECTIONS 3 AND 4 AND PROCEED DIRECTLY TO SECTION 5. OTHERWISE, PROCEED TO SECTION 3 OR 4, AS APPROPRIATE.    ADDITION OR REPLACEMENT OF CONTROL DEVICES ON PERMITTED UNITS   PILOT PROJECTS/TRIAL BURNS BY A PERMITTED UNIT   APPLICATIONS ONLY INVOLVING INSIGNIFICANT ACTIVITIES UNDER 35 IAC 201.210 (MAJOR SOURCES ONLY)   LAND REMEDIATION PROJECTS   REVISIONS RELATED TO METHODOLOGY OR TIMING FOR EMISSION TESTING   MINOR ADMINISTRATIVE-TYPE CHANGE TO A PERMIT						
THIS AGENCY IS AUTHORIZED TO REQUIRE AND YOU MUST IT COULD RESULT IN THE APPLICATION BEING DENIED AND PET	DISCLOSE THIS INFORMATION UNDER 415 ILCS 5/39. NALTIES UNDER 415 ILCS 5 ET SEQ. IT IS NOT NECES	SSARY TO USE THIS				

**APPLICATION PAGE** 

Printed on Recycled Paper 197-FEE

Page 1 of 2

SECTION 3: FEES FOR CURRENT OR PROJECTED NON-MAJOR SOUR	RCES
9) IF THIS APPLICATION CONSISTS OF A SINGLE NEW EMISSION UNIT <u>OR</u> NO MORE THAN TWO MODIFIED EMISSION UNITS, ENTER \$500.	9)
10) IF THIS APPLICATION CONSISTS OF MORE THAN ONE NEW EMISSION UNIT <u>OR</u> MORE THAN TWO MODIFIED UNITS, ENTER \$1,000.	10)
11) IF THIS APPLICATION CONSISTS OF A NEW SOURCE OR EMISSION UNIT SUBJECT TO SECTION 39.2 OF THE ACT (I.E., LOCAL SITING REVIEW); A COMMERCIAL INCINERATOR OR A MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR AN EMISSION UNIT DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$15,000.	11)
12) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.	12)
13) SECTION 3 SUBTOTAL (ADD LINES 9 THROUGH 12) TO BE ENTERED ON PAGE 1.	(3)

SECTION 4:	FEES FOR CURRENT OR PROJECTED MAJOR OR S	YNTHE	TIC MIN	OR SC	URCES
Application	14) FOR THE FIRST MODIFIED EMISSION UNIT, ENTER \$2,000.	14)			
Contains Modified Emission Units	15) NUMBER OF ADDITIONAL MODIFIED EMISSION UNITS =X \$1,000.	15)	***		
Only	16) LINE 14 PLUS LINE 15, OR \$5,000, WHICHEVER IS LESS.			16)	
Application	17) FOR THE FIRST NEW EMISSION UNIT, ENTER \$4,000.	17)	4000		
Contains New And/Or Modified	18) NUMBER OF ADDITIONAL NEW AND/OR MODIFIED EMISSION UNITS = 62 X \$1,000.	18)	62000		
Emission Units	19) LINE 17 PLUS LINE 18, OR \$10,000, WHICHEVER IS LESS.			19)	10000
Application Contains Netting Exercise	20) NUMBER OF INDIVIDUAL POLLUTANTS THAT RELY ON A NETTING EXERCISE OR CONTEMPORANEOUS EMISSIONS DECREASE TO AVOID APPLICATION OF PSD OR NONATTAINMENT NSR = X \$3,000.			20)	
	21) IF THE NEW SOURCE OR EMISSION UNIT IS SUBJECT TO SECTION 39.2 OF THE ACT (I.E., SITING); A COMMERCIAL INCINERATOR OR OTHER MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR ONE OR MORE OTHER EMISSION UNITS DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$25,000.			21)	
	22) IF THE SOURCE IS A NEW MAJOR SOURCE SUBJECT TO PSD, ENTER \$12,000.			22)	
	23) IF THE PROJECT IS A MAJOR MODIFICATION SUBJECT TO PSD, ENTER \$6,000.			23)	
Additional	24) IF THIS IS A NEW MAJOR SOURCE SUBJECT TO NONATTAINMENT (NAA) NSR, ENTER \$20,000.			24)	
Supplemental Fees	25) IF THIS IS A MAJOR MODIFICATION SUBJECT TO NAA NSR, ENTER \$12,000.			25)	
	26) IF APPLICATION INVOLVES A DETERMINATION OF CLEAN UNIT STATUS AND THEREFORE IS NOT SUBJECT TO BACT OR LAER, ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIREDX \$5,000.			26)	
s	27) IF APPLICATION INVOLVES A DETERMINATION OF MACT FOR A POLLUTANT AND THE PROJECT IS NOT SUBJECT TO BACT OR LAER FOR THE RELATED POLLUTANT UNDER PSD OR NSR (E.G., VOM FOR ORGANIC HAP), ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. X \$5,000.			27)	
	28) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.			28)	
29) SECTION 4 SU	JBTOTAL (ADD LINES 16 AND LINES 19 THROUGH 28) TO BE ENTI	RED O	N PAGE 1.	29)	10000

SECTION 5: CERTIFICATION						
NOTE: APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED INCOMPLETE.						
30) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION CONTAINED IN THIS FEE APPLICATED BY:  SIGNATURE	TITLE OF SIGNATORY					
TYPED OR PRINTED NAME OF SIGNATORY						
TIPED OR PRINTED NAME OF SIGNATORY	DATE					

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#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR	APPLICA	NT'S U	JSE
Revision	#:	***************************************	
Date:			
Page		of	
Source D	esignatio	n:	

	FOR AGENCY USE ONLY				
PROCESS EMISSION UNIT	ID NUMBER:				
DATA AND INFORMATION	EMISSION POINT #:				
	DATE:				
SOURCE IN	FORMATION				
1) SOURCE NAME:					
Wedron Silica Company					
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB				
CENEDAL II	NFORMATION				
4) NAME OF EMISSION UNIT:	VIONWATION				
Belt Conveyor BC6400					
5) NAME OF PROCESS					
Wedron 3.5					
6) DESCRIPTION OF PROCESS:					
Moves sand to load-out.					
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:				
Dried raw sand					
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:					
BC6400 exhausted to existing BH5000.	÷.				
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):					
TBD					
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):				
TBD	TBD				
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION	a) CONSTRUCTION (MONTH/YEAR):				
OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2011 (planned)				
	b) OPERATION (MONTH/YEAR):				
	4/2012 (planned)				
	c) LATEST MODIFICATION (MONTH/YEAR):				
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE): The installation will support the 2011 Wedron 3.5	This unit will be sub-unted to the suitties				
baghouse BH5000.	project. This unit will be exhausted to the existing				
bagnouse bristou.					

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

	Г	FC	R	API	PLI	CAN	VT'S (	JSE
APPLICATION PAGE								iimilimina.
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14) DOES THE EMISSION SINT HA	VE MO	RE THAN ON	E MODE	OF C	PERATION?			s 🛛 No
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE PROCESS EMISSION UNIT FORM 220-CAAPP MUST BE COMPLETED FOR EACH MODE):								
15) PROVIDE THE NAME AND DESIGNATION OF ALL AIR POLLUTION CONTROL EQUIPMENT CONTROLLING THIS EMISSION UNIT, IF APPLICABLE (FORM 260-CAAPP AND THE APPROPRIATE 260-CAAPP ADDENDUM FORM MUST BE COMPLETED FOR EACH ITEM OF AIR POLLUTION CONTROL EQUIPMENT): This unit will be exhausted to the existing baghouse BH5000. See technical support document for more detail.								
46\V4"   5M0010N0 BUBNO 6TA	DTUD	EVACES ECT	(CD T) (C	- 4117		0000	<i></i>	
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING	FIC RU	LE, OR THE A	ALLOWA	BLE E	MISSION LI		U YE	s 🗵 NO
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING				UEST	TO OPERA	TE WITH:		
17) PROVIDE ANY LIMITATIONS OF STANDARDS (E.G., ONLY ONE					NG EMISSIC	ONS OR ANY W	ORK PI	RACTICE
NA								
					(7 A T/OA)			
OPERATING INFORMATION  18) ATTACH THE CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSION RELATED, FROM WHICH THE								
18) ATTACH THE CALCULATIONS.	TO TH			***************************************		ELATED, FRO	M WHIC	H THE
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMAT	IE EXTENT TH ION, MATERIA	IEY ARE	E AIR I BE INF	EMISSION R ORMATION	AND FUEL US	SAGE DA	
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR	RMAT Γ 220-1	IE EXTENT THE TOON, MATERIAL REFER TO HOURS/DAY	HEY ARE AL USAG SPECIAI Y:	E AIR I BE INF	EMISSION R FORMATION ES OF FORI DAYS/WEE	AND FUEL US M 202-CAAPP. EK:	SAGE DA	ATA WERE
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760	RMAT Γ220-1	IE EXTENT THE ION, MATERIAL REFER TO HOURS/DAY	HEY ARE AL USAC SPECIAI Y: 4	E AIR I BE INF	EMISSION R FORMATION ES OF FORI DAYS/WEE	AND FUEL US M 202-CAAPP. EK: 7	WEEK	ATA WERE S/YEAR: 52
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760 b) TYPICAL OPERATING HOURS	RMAT Γ220-1	E EXTENT THE TON, MATERIAL REFER TO HOURS/DAY	HEY ARE AL USAG SPECIAI Y: 4	E AIR I BE INF	EMISSION R FORMATION ES OF FORI DAYS/WEE	AND FUEL US M 202-CAAPP. EK: 7	WEEK	S/YEAR: 52 S/YEAR:
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760  b) TYPICAL OPERATING HOURS 8760	RMAT Γ220-1	HE EXTENT THE TON, MATERIAL REFER TO HOURS/DAY HOURS/DAY	HEY ARE AL USAG SPECIAI Y: 4	E AIR I	EMISSION R FORMATION ES OF FORI DAYS/WEE	AND FUEL US M 202-CAAPP. EK: 7 EK: 7	WEEK	S/YEAR: 52 S/YEAR: 52 52
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760 b) TYPICAL OPERATING HOURS	RMAT Γ220-1	E EXTENT THE TON, MATERIAL REFER TO HOURS/DAY	HEY ARE AL USAG SPECIAI Y: 4	E AIR I	EMISSION R FORMATION ES OF FORI DAYS/WEE	AND FUEL US M 202-CAAPP. EK: 7	WEEK	S/YEAR: 52 S/YEAR:
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760 b) TYPICAL OPERATING HOURS 8760 20) ANNUAL THROUGHPUT	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL REFER TO 24 HOURS/DAY 24 DEC-FEB(% 25	HEY ARE AL USAG SPECIAL Y: 4	E AIR I GE INF L NOT	EMISSION R FORMATION ES OF FORI DAYS/WEE DAYS/WEE MAY(%):	AND FUEL US M 202-CAAPP.  K: 7  K: 7  JUN-AUG(%) 25	WEEK	S/YEAR: 52 S/YEAR: 52 52 SEP-NOV(%):
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT	PRMAT Γ 220-1	HOURS/DAY HOURS/DAY HOURS/DAY HOURS/DAY HOURS/DAY	HEY ARE AL USAG SPECIAL Y: 4	E AIR I GE INF L NOT	EMISSION R FORMATION ES OF FORI DAYS/WEE DAYS/WEE MAY(%):	AND FUEL US M 202-CAAPP.  K: 7  K: 7  JUN-AUG(%) 25	WEEK	S/YEAR: 52 S/YEAR: 52 52 SEP-NOV(%):
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOUR 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL TON, MATERIAL UNITED TON MATERIAL UNIT	HEY ARE AL USAGE SPECIAL Y: 4	E AIR I GE INFO	EMISSION R FORMATION ES OF FORI DAYS/WEE DAYS/WEE MAY(%):	AND FUEL US M 202-CAAPP.  K: 7  JUN-AUG(9  25	WEEK	S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HOURS/DAY HOURS/DAY HOURS/DAY 24 HOURS/DAY 25 DEC-FEB(% 25	HEY AREAL USAGE SPECIAL Y: 4 4 4 4 1):  JSAGE	MAR-	EMISSION R FORMATION ES OF FORI DAYS/WEE DAYS/WEE MAY(%): 25	AND FUEL US M 202-CAAPP. EK: 7 EK: 7 JUN-AUG(% 25	WEEK	ATA WERE  S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760 b) TYPICAL OPERATING HOURS 8760 20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL TON, MATERIAL TON, MATERIAL TON, MAXIMULBS/HR	HEY AREAL USAGE SPECIAL Y: 4 Y: 4 JSAGE UM RATE	E AIR I GE INFO  MAR-  I INFO  ONS/N	EMISSION R FORMATION ES OF FORI DAYS/WEE  DAYS/WEE  MAY(%): 25  DRMATION  'EAR	AND FUEL US M 202-CAAPP.  K: 7  JUN-AUG(9  25	WEEK	S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HOURS/DAY HOURS/DAY HOURS/DAY 24 HOURS/DAY 25 DEC-FEB(% 25	HEY AREAL USAGE SPECIAL Y: 4 Y: 4 JSAGE UM RATE	E AIR I GE INFO MAR-	EMISSION R FORMATION ES OF FORI DAYS/WEE DAYS/WEE MAY(%): 25	AND FUEL US M 202-CAAPP. EK: 7 EK: 7 JUN-AUG(% 25	WEEK	ATA WERE  S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760 b) TYPICAL OPERATING HOURS 8760 20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL TON, MATERIAL TON, MATERIAL TON, MAXIMULBS/HR	HEY AREAL USAGE SPECIAL Y: 4 Y: 4 JSAGE UM RATE	E AIR I GE INFO MAR-	EMISSION R FORMATION ES OF FORI DAYS/WEE  DAYS/WEE  MAY(%): 25  DRMATION  'EAR	AND FUEL US M 202-CAAPP. EK: 7 EK: 7 JUN-AUG(% 25	WEEK	ATA WERE  S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760 b) TYPICAL OPERATING HOURS 8760 20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL TON, MATERIAL TON, MATERIAL TON, MAXIMULBS/HR	HEY AREAL USAGE SPECIAL Y: 4 Y: 4 JSAGE UM RATE	E AIR I GE INFO MAR-	EMISSION R FORMATION ES OF FORI DAYS/WEE  DAYS/WEE  MAY(%): 25  DRMATION  'EAR	AND FUEL US M 202-CAAPP. EK: 7 EK: 7 JUN-AUG(% 25	WEEK	ATA WERE  S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760 b) TYPICAL OPERATING HOURS 8760 20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL TON, MATERIAL TON, MATERIAL TON, MAXIMULBS/HR	HEY AREAL USAGE SPECIAL Y: 4 Y: 4 JSAGE UM RATE	E AIR I GE INFO MAR-	EMISSION R FORMATION ES OF FORI DAYS/WEE  DAYS/WEE  MAY(%): 25  DRMATION  'EAR	AND FUEL US M 202-CAAPP. EK: 7 EK: 7 JUN-AUG(% 25	WEEK	ATA WERE  S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT 19a) MAXIMUM OPERATING HOURS 8760 b) TYPICAL OPERATING HOURS 8760 20) ANNUAL THROUGHPUT 2,628,000 tons	PRMAT Γ 220-1	HE EXTENT THE TON, MATERIAL TON, MATERIAL TON, MATERIAL TON, MAXIMULBS/HR	HEY AREAL USAGE SPECIAL Y: 4 Y: 4 JSAGE UM RATE	E AIR I GE INFO MAR-	EMISSION R FORMATION ES OF FORI DAYS/WEE  DAYS/WEE  MAY(%): 25  DRMATION  'EAR	AND FUEL US M 202-CAAPP. EK: 7 EK: 7 JUN-AUG(% 25	WEEK	ATA WERE  S/YEAR: 52 S/YEAR: 52 SEP-NOV(%): 25

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:	MAXIMU	M RATES	TYPICA	L RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
		V-1 V		
e.	l MAXIMU	M RATES	TYPICA	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR T	TONS/YEAR
ZIC) BT-PRODUCT WATERIALS	LDO/FIK	TONG/TEAR	LBS/IIK	TONS/TEAR
	FUEL	USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL F (MILLION		c) DESIGN CAPAC RATE (MILLION	ITY FIRING BTU/HR):
(MILLION BTO/TITY).	(WILLIOIT)	bronkty.	TOTAL (MICE.CO)	Dromity.
d) FUEL TYPE:				
ONATURAL GAS OFU	EL OIL: GRADE NUM	BER Oc	OAL OTHER_	
IF MORE THAN ONE FUEL IS	USED, ATTACH AN E	EXPLANATION AND LAE	BEL AS EXHIBIT 220-2	
e) TYPICAL HEAT CONTENT OF	FUEL (BTU/LB,		FUR CONTENT (WT %	., NA FOR NATURAL
BTU/GAL OR BTU/SCF):		GAS):		
g) TYPICAL ASH CONTENT (WT GAS):	Γ%., NA FOR NATUR		EL USAGE (SPECIFY U BAL/YEAR, TON/YEAR	
GAG).		GOI / TEAR,	JAL/TEAN, TON/TEAN	<i>}•</i>
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROL AS	YES O NO
IF NO, IDENTIFY THE EXHAU	ST POINT FOR COM	BUSTION EMISSIONS:		

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APPLICABLE RULES									
		APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.204(j)(4), 3.5 LBS/GAL):							
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)							
PM	IAC 212.123	less than or equal to 30% opacity							
PM/PM10	IAC 212.321	Emission limits based on process throughput							
25) PROVIDE ANY SPECIFIC RECORDKEEPING R	25) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:								
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)							
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions							
26) PROVIDE ANY SPECIFIC REPORTING RULE(S REGULATED AIR POLLUTANT(S)	S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:  REPORTING RULE(S)	REQUIREMENT(S)							
PM/PM10	IAC 201.302								
1 IVIT IVI IV	IAC 201.302	Annual Emission Report							
27) PROVIDE ANY SPECIFIC MONITORING RULE(	S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:								
REGÜLATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)							
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of							
		the control device and sand handling process shall be							
		performed to ensure that the system is operting properly							
28) PROVIDE ANY SPECIFIC TESTING BILLES AND	D/OR PROCEDURES WHICH ARE APPLICABLE TO THIS	EMISSION HINT							
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)							
PM	IAC 201.282	Emissions testing within 90 days of IEPA written request							
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification							

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F								
29) DOES THE EMISSION UN OTHERWISE APPLICABL	NIT QUALIFY FOR AN EXEMPT LE RULE?	FION FROM AN	YES	⊗ ио				
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.								
		E INFORMATION						
30) IS THE EMISSION UNIT I REQUIREMENTS?	N COMPLIANCE WITH ALL AF	PPLICABLE	YES	O NO				
		SCHEDULE OF COMPLIANCE - O AND SUBMITTED WITH THIS						
31) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO E	BE, OR WAS PREVIOUSLY, DE	MONSTRATED:					
Recordkeeping of PM1	0 emissions.							
PM10 emissions will be throughput, and control	_	appropriate FIRE emissior	n factor, the sa	and				
(Sand Throughput ton/h	nr)(0.0064 lb PM10/ton sa	nd)(1-0.99) = PM10 emis	sions					
i '	ONGOING COMPLIANCE WIL	L BE DEMONSTRATED:						
Recordkeeping of PM10	emissions.							
PM10 emissions will be and control efficiency of	= ::	ropriate FIRE emission fac	ctor, the sand	throughput,				
(Sand Throughput ton/h	r)(0.0064 lb PM10/ton sa	nd)(1-0.99) = PM10 emiss	sions					
Domonetration of ongoi	na compliance will also in	clude periodic inspection	and maintana	nco of the				
conveyor system.	ng compliance will also in	clude periodic inspection	and mamena	nce or the				
conveyor system.								
			***************************************					
TEST	ING. MONITORING REC	ORDKEEPING AND RE	PORTING					
		SIONS FOR WHICH RECORDS		AINTAINED TO				
		JANCE. INCLUDE THE ŪNĪT ( Y OF SUCH RECORDS (E.G., I						
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FRE	QUENCY				
sand throughpt	tons/mo; tons/yr	Citect		/; annual				
PM10 Emission	tons/mol tons/yr	calculation	monthly	/; annual				
		***************************************						
irannamia.								
		reconstitutuurus on assaratiin aantalee						

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RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF F ONTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR			
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON			
sand throughpt	automated systm	Env. Coordinator	Plant Manager			
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager			
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY [	DEMONSTRATED BY REVIEW OF	⊠ YES □ NO			
d) ARE ALL RECORDS REAI SUBMITTAL TO THE AGE IF NO, EXPLAIN:		ECTION, COPYING AND	YES NO			
34a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:  A continuous monitoring system is installed, maintained and operated for monitoring the air flow rate and pressure drop in the baghouse.						
b) WHAT PARAMETER(S) IS Pressure drop and air flo		(E.G., VOM EMISSIONS TO ATMOS	SPHERE)?			
c) DESCRIBE THE LOCATIO At the baghouse.	N OF EACH MONITOR (E.G	., IN STACK MONITOR 3 FEET FRO	OM EXIT):			

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34d) IS EACH MONITOR EQUIPPED WIT	H A RECORDING DEVICE?	
IF NO, LIST ALL MONITORS WITHOUT	FA RECORDING DEVICE:	
e) IS EACH MONITOR REVIEWED FOR A	CCURACY ON AT LEAST A QUARTER	LY X YES NO
BASIS?		e res C No
IF NO, EXPLAIN:		
f) IS EACH MONITOR OPERATED AT AL IN OPERATION?	L TIMES THE ASSOCIATED EMISSION	UNIT IS YES NO
IF NO, EXPLAIN:		
35) PROVIDE INFORMATION ON THE MO- PURPOSES OF THE DETERMINATION		
DATE, TEST METHOD USED, TESTING	G COMPANY, OPERATING CONDITION	IS EXISTING DURING THE TEST AND A
SUMMARY OF RESULTS. IF ADDITIO	NAL SPACE IS NEEDED, ATTACH AND	LABEL AS EXHIBIT 220-4:
TEST DATE TEST METHOD	OPER TESTING COMPANY COND	
• • • • • • • • • • • • • • • • • • •		
36) DESCRIBE ALL REPORTING REQUIRE SUBMITTALS TO THE AGENCY:	EMENTS AND PROVIDE THE TITLE AN	D FREQUENCY OF REPORT
	TITLE OF REPORT	EDECHENOV
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of deviation	Excess emissions monitrng	As required
	equipment downtime, etc.	
Annual Emissions Report	Illinois AER	Annual
	**************************************	and the second s

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					(37).	EMISSION	INFORM	ATION					
		☐ ¹ACTUAL EMISSION RATE ☐ ¹UNCONTROLLED EMISSION RATE ALLOWABLE BY RULE EMISSION RATE				<sup>2</sup> PERMITTED EMISSION RATE							
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	5 <sub>RATE</sub>	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RAT	E (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:							()					
MONOXIDE (CO)	TYPICAL:							( )					L
LEAD	MAXIMUM:							( )					
	TYPICAL:							()					
NITROGEN	MAXIMUM:							( )					
OXIDES (NOx)	TYPICAL:							()					
PARTICULATE	MAXIMUM:							( )	: %				
MATTER (PART)	TYPICAL:				P			( )				4	
PARTICULATE MATTER <= 10	MAXIMUM:	0.0256	0.112	.0064 lb/ton				( )			0.0256	lb/hr	0.112
MICROMETERS (PM10)	TYPICAL:							( )					
SULFUR	MAXIMUM:							( )				¥	
DIOXIDE (SO2)	TYPICAL:				***			( )					
VOLATILE ORGANIC	махімим:							( )					:
MATERIAL (VOM)	TYPICAL:							()					<u>l</u>
OTHER, SPECIFY:	MAXIMUM;							( )					
	TYPICAL:							( )					
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	21.9	0.3 GR/DSCF		1	6.0	(LBS/HR)	212.321	26.28	5.	5 LBS/HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GB/DSCE		4	5.5	(LBS/HR)	212.321	19.80			

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

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<sup>1</sup>CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS) <sup>5</sup>RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(3	8) HAZARDOUS .	AIR POLLUTAN	IT EMISSION II	VFORMATIC	ON	
☐ ¹ACTUAL EMISSION RATE ☐ ¹UNCONTROLLED EMISSION RATE					ALLOWABLE BY RULE			
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER	:	POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM:						-
		TYPICAL:						
		MAXIMUM:	:					
		TYPICAL:	:					
		MAXIMUM:	:					
		TYPICAL:						
		MAXIMUM:	:					
		TYPICAL:	: : :					
		MAXIMUM:						
		TYPICAL:		<u></u>				
		MAXIMUM						
		TYPICAL:						
		MAXIMUM:		· · · · · · · · · · · · · · · · · · ·				
		TYPICAL:						
		MAXIMUM:		**************************************				
		TYPICAL:						
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% by wt control device	CFR 61
Benzene	71432	TYPICAL:	8.0	0.8		2	leak-tight trucks	61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

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<sup>&</sup>lt;sup>1</sup>PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY. 
<sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

<sup>3</sup>PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

<sup>&</sup>lt;sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS). <sup>5</sup>RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION						
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	CHAUSTED THROUGH A	NR POLLUTION CONTROL EQUIPMENT,			
39) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:						
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C	40) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.					
41) DISTANCE TO NEAREST PLANT BO	JNDARY FROM EXH	IAUST POINT DISCH	ARGE (FT):			
42) DISCHARGE HEIGHT ABOVE GRADE	E (FT);					
43) GOOD ENGINEERING PRACTICE (G.	EP) HEIGHT, IF KNO	OWN (FT):				
44) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.						
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	M):	b) TYPICAL (ACFM):			
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):			
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	WARD):				
48) LIST ALL EMISSION UNITS AND COM	ITROL DEVICES SE	RVED BY THIS EXH	AUST POINT:			
NAME		FLO	W DIAGRAM DESIGNATION			
a)						
b)						
<b>C)</b>						
d)		**************************************				
e)						
THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF READILY AVAILABLE.  49a) LATITUDE;  b) LONGITUDE;						
50) UTM ZONE:	b) UTM VERTICAL	(KM): c) UTM HORIZONTAL (KM):				



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FC	OR APPLICANT'S USE
Revisi	on #:
Date:	
Page	of
Sourc Co	e Designation: nveyors & Elevators

## PROCESS EMISSION UNIT DATA AND INFORMATION

exhausted to existing baghouse BH5000 .

FC	71.71V=11V1	USE ONL	1	
ID NUMBER:				
EMISSION POINT#				
DATE:				

SOURCE INFORMATION								
1) SOURCE NAME:								
Wedron Silica Company								
2) DATE FORM	3) SOURCE ID NO.							
PREPARED:	(IF KNOWN): 099804AAB							
200 1000 1000 1000	IFORMATION							
NAME OF EMISSION UNIT:     Belt Conveyors and Bucket Elevators								
5) NAME OF PROCESS:	W. MANAGAMAN, W.							
Wedron 3.5								
6) DESCRIPTION OF PROCESS:								
Conveyors and elevators move sand between eq	· · · · · · · · · · · · · · · · · · ·							
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR ACTIVITY ACCOMPLISHED:								
Dried raw sand								
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:								
	, exhausted to DC3300 and DC6300. See Table 1.							
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):								
TBD								
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):							
TBD	TBD							
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):							
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2011 (planned)							
· · · · · · · · · · · · · · · · · · ·	b) OPERATION (MONTH/YEAR):							
	4/2012 (planned)							
	c) LATEST MODIFICATION (MONTH/YEAR):							
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):								
The installation will support the 2011 Wedron 3.5 project. Four (4) of the proposed units will be								
exhausted to a new baghouse (DC3300), twenty three (23) will be exhausted to a new baghouse								

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

designated DC6300, six (6) units will be exhausted to new baghouse DC6400, and one (1) unit will be

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FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HA	VE MO	RE THAN ON	E MOL	DE OF C	PERATION		U YE	s 🗵 NO
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE PROCESS EMISSION UNIT FORM 220-CAAPP MUST BE COMPLETED FOR EACH MODE):								
To the state of th								
15) PROVIDE THE NAME AND DESIGNATION OF ALL AIR POLLUTION CONTROL EQUIPMENT CONTROLLING THIS EMISSION UNIT, IF APPLICABLE (FORM 260-CAAPP AND THE APPROPRIATE 260-CAAPP ADDENDUM FORM MUST BE COMPLETED FOR EACH ITEM OF AIR POLLUTION CONTROL EQUIPMENT):								
Four (4) of the proposed units					•	* '	-	
exhausted to a new baghouse DC6400, and one (1) unit will l	-	•						-
16) WILL EMISSIONS DURING STA							<u> </u>	0
RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING	IC RU	ILE, OR THE A	LLOW	ABLE E	MISSION LI		U YE	s 🗵 no
IF YES, COMPLETE AND ATTAC EXCESS EMISSIONS DURING S	START	UP OF EQUIP	MENT	".				
17) PROVIDE ANY LIMITATIONS OF STANDARDS (E.G., ONLY ONE					NG EMISSIC	ONS OR ANY V	ORK PI	RACTICE
NA								
ANY ATTAOLITIE ON OUR ATIONO	T/\ TI	OPERATI		manualisis sana		CLATED ESO	A VARCUE	
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMAT	ION, MATERIA	AL USA	AGE INI	FORMATION	AND FUEL US	SAGE DA	
19a) MAXIMUM OPERATING HOUR	S	HOURS/DAY			DAYS/WE		WEEK	S/YEAR:
8760		24	-			7		52
b) TYPICAL OPERATING HOURS 8760		HOURS/DAY			DAYS/WE	≣K: 7	WEEK	S/YEAR: 52
20) ANNUAL THROUGHPUT		DEC-FEB(%	-	I MAR	MAY(%):	JUN-AUG(%	)·	SEP-NOV(%):
2,628,000 tons		25	<i>)</i> .	INICIA	25	25	o,.	25
		1		4				
	M	ATERIAL U	SAG	E INF	ORMATIO	N		
4			A F A				UDUAN	
		MAXIMU					YPICAL	RATES
21a) RAW MATERIALS	L	BS/HR		TONS/	/EAR	LBS/HR		TONS/YEAR
Raw Sand		600,000		2,62	8,000			
							1	
			-					
			-					
	), 		-					
					I			

	MAXIMI	JM RATES	I TYPICA	AL RATES		
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR		
***						
				-		
			: ::			
		JM RATES	TVDICA	AL RATES		
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR		
			-	90 F A GOOD COOK COOK COOK COOK COOK COOK AND CO		
			<u> </u>			
		. USAGE DATA				
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL F (MILLION		c) DESIGN CAPAC RATE (MILLION	ITY FIRING BTU/HR):		
,	•	<b>,</b>		,		
d) FUEL TYPE:						
ONATURAL GAS OFU	EL OIL: GRADE NUM	1BER Oc	oal Oother_			
IF MORE THAN ONE FUEL IS	USED, ATTACH AN I	EXPLANATION AND LAB	BEL AS EXHIBIT 220-2	•		
e) TYPICAL HEAT CONTENT OF	FUEL (BTU/LB	I f) TYPICAL SULF	FUR CONTENT (WT %	NA FOR NATURAL		
BTU/GAL OR BTU/SCF):	, 022 (8, 6, 25,	GAS):	311331112111 (1117)	.,, (01) 0, (101) 0, (101)		
a) TYPICAL ASH CONTENT (M/T	% NA EOD NATUE	DAL BY ANNUAL ELLE	TI LISAGE (SPECIEV I	INITS E.C.		
g) TYPICAL ASH CONTENT (WT %., NA FOR NATURAL h) ANNUAL FUEL USAGE (SPECIFY UNITS, E.G., GAS):  b) ANNUAL FUEL USAGE (SPECIFY UNITS, E.G., SCF/YEAR, GAL/YEAR, TON/YEAR):						
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CONT	TROL AS	YES NO		
IF NO, IDENTIFY THE EXHAUST POINT FOR COMBUSTION EMISSIONS:						
the state of the second section is a second						

APPLICABLE RULES								
24) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.204(j)(4), 3.5 LBS/GAL):								
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)						
PM	IAC 212.123	less than or equal to 30% opacity						
PM/PM10	IAC 212.321	Emission limits based on process throughput						
25) PROVIDE ANY SPECIFIC RECORDKEEPING RUL	E(S) WHICH ARE APPLICABLE TO THIS EMISSION U	NIT:						
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)						
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions						
26) PROVIDE ANY SPECIFIC REPORTING RULE(S) V	VHICH ARE APPLICABLE TO THIS EMISSION UNIT:							
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)						
PM/PM10	IAC 201.302	Annual Emission Report						
27) PROVIDE ANY SPECIFIC MONITORING RULE(S)	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:							
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)						
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of						
		the control device and sand handling process shall be						
		performed to ensure that the system is operting properly.						
28) PROVIDE ANY SPECIFIC TESTING RULES AND/O	OR PROCEDURES WHICH ARE APPLICABLE TO THIS	EMISSION UNIT						
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)						
PM	IAC 201.282	Emissions testing within 90 days of IEPA written request						
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification						

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29) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP LE RULE?	TION FROM AN	O YES	⊗ NO			
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.							
20) ICTUE EMICCIONUME		E INFORMATION					
REQUIREMENTS?	IN COMPLIANCE WITH ALL AF	PLICABLE	YES	U NO			
IF NO, THEN FORM 294- COMPLYING EMISSION	IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE — ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.						
31) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY, DE	MONSTRATED				
Recordkeeping of PM1	0 emissions.						
PM10 emissions will be determined in conjunction with other sources based upon the guaranteed exit grain loading of the new baghouse dust collectors DC3300 and DC6300 of 0.002 gr/dscf and their respective exhaust flow rates.							
32) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:							
Recordkeeping of PM1	0 emissions.						
Emissions from conveyors and elevators will be determined in conjunction with other sources based upon the guarunteed exit grain loading of the new baghouse dust collectors DC3300 and DC6300 of 0.002 gr/dscf and thier respective exhasut flow rates.  Demonstration of ongoing compliance will also include periodic inspection and maintenance of the conveyor and elevator systems.							
TESTING, MONITORING, RECORDKEEPING AND REPORTING							
33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):							
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	EDI	EQUENCY			
sand throughpt	tons/mo; tons/yr	Citect		y; annual			
PM10 Emission	tons/mol tons/yr	calculation	monthly	y; annual			

**APPLICATION PAGE** 

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33b) BRIEFLY DESCRIBE THE METHOD BY WHICH RECORDS WILL BE CREATED AND MAINTAINED. FOR EACH RECORDED PARAMETER INCLUDE THE METHOD OF RECORDKEEPING, TITLE OF PERSON RESPONSIBLE FOR RECORDKEEPING, AND TITLE OF PERSON TO CONTACT FOR REVIEW OF RECORDS:								
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON					
sand throughpt	automated systm	Env. Coordinator	Plant Manager					
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager					
c) IS COMPLIANCE OF THE THE RECORDS?	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF	X YES NO					
IF NO, EXPLAIN:			····					
, , , , , , , , , , , , , , , , , , , ,								
	d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?							
IF NO, EXPLAIN:								
34a) DESCRIBE ANY MONITO	ORS OR MONITORING ACTIV	/ITIES USED TO DETERMINE FEE	ES, RULE APPLICABILITY OR					
COMPLIANCE:								
rate and pressure drop in		maintained and operated for	monitoring the air now					
•	The							
Pressure drop and air flo		E.G., VOM EMISSIONS TO ATMO	SPHERE)?					
	N OF EACH MONITOR (E.G.,	, IN STACK MONITOR 3 FEET FRO	OM EXIT):					
At the baghouse.								

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34d) IS EACH MONITOR EQUIPPED WIT	TH A RECORDING DEVICE?	
IF NO, LIST ALL MONITORS WITHOU	T A RECORDING DEVICE:	<u> </u>
·		
e) IS EACH MONITOR REVIEWED FOR A BASIS?	ACCURACY ON AT LEAST A QUARTERL	YES NO
IE NO EVDI AINI:		
IF NO, EXPLAIN		
f) IS EACH MONITOR OPERATED AT AL	L TIMES THE ASSOCIATED EMISSION	UNIT IS YES ONO
IN OPERATION?		
IF NO, EXPLAIN:		
35) PROVIDE INFORMATION ON THE MO	ST RECENT TESTS, IF ANY, IN WHICH	THE RESULTS ARE USED FOR
PURPOSES OF THE DETERMINATION	N OF FEES, RULE APPLICABILITY OR C	OMPLIANCE. INCLUDE THE TEST
SUMMARY OF RESULTS. IF ADDITION	G COMPANY, OPERATING CONDITION DNAL SPACE IS NEEDED, ATTACH AND	LABEL AS EXHIBIT 220-4:
	OPERA	TING
TEST DATE TEST METHOD	TESTING COMPANY CONDIT	
		7.
36) DESCRIBE ALL REPORTING REQUIR	EMENTS AND PROVIDE THE TITLE AND	O FREQUENCY OF REPORT
SUBMITTALS TO THE AGENCY:		
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of deviation	Excess emissions monitrng	As required
	equipment downtime, etc.	
Annual Emissions Report	Illinois AER	Annual
, arida Emissions Report	LIMOGAEN	, unidat

(37)EMISSION INFORMATION														
			O 1ACTUAL EN	MISSION RATE DLLED EMISSION	N RATE		ALLOWABLE BY RULE EMISSION RATE			2	<sup>2</sup> PERMITTED EMISSION RATE			
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)		RATE (U	NITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:							()						
MONOXIDE (CO)	TYPICAL:							( )						
LEAD	MAXIMUM:							( )						
	TYPICAL:				***			( )				7.7		
NITROGEN	MAXIMUM:							( )						
OXIDES (NOx)	TYPICAL:							()						
PARTICULATE	MAXIMUM:							( ):						
MATTER (PART)	TYPICAL:		-					(. )						
PARTICULATE MATTER <= 10	MAXIMUM:	See	DC3300,	DC6300,				( )					:	
MICROMETERS (PM10)	TYPICAL:	and	DC6400					( )						
SULFUR	MAXIMUM:							( )						
DIOXIDE (SO2)	TYPICAL:							( )						
VOLATILE ORGANIC	MAXIMUM:							(, ·)						
MATERIAL (VOM)	TYPICAL:							( )						
OTHER, SPECIFY:	MAXIMUM:							( )					·	
	TYPICAL:							( )						
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	21.9	0.3 GR/DSCF		1	6.0	(LBS/HR)	212.321	26.28		5.5 LBS/	HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCF		4	5.5	(LBS/HR)	212.321	19.80				

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

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<sup>1</sup>CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.

<sup>2</sup>PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SUCCE. OF THE CONTROL OF THE PERMIT FEE.

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		(3	8) HAZARDOUS .	AIR POLLUTAN	IT EMISSION I	NFORMATIO	N		
	☐ ¹ACTUAL EMISSION RATE ☐ ¹UNCONTROLLED EMISSION RATE						ALLOWABLE BY RULE		
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4 <sub>DM</sub>	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE	
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:		<u> </u>					
		TYPICAL:							
: :		MAXIMUM:							
		TYPICAL:				aad,aanaaaaaaaa			
		MAXIMUM:	/						
		TYPICAL:							
A		MAXIMUM:							
		TYPICAL:			:				
	1	MAXIMUM:			:				
		TYPICAL:							
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% by wt control device	CFR 61	
Benzene	71432	TYPICAL:	8.0	0.8		1 2	leak-tight trucks	61.302(b),(d)	

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

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EXHAUST POINT INFORMATION						
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	HAUSTED THROUGH A	KIR POLLUTION CONTROL EQUIPMENT:			
39) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:						
40) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.						
41) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):						
42) DISCHARGE HEIGHT ABOVE GRADE	E (FT):					
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNO	WN (FT):				
44) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.						
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):		b) TYPICAL (ACFM):			
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F);		b) TYPICAL (°F):			
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	WARD):				
48) LIST ALL EMISSION UNITS AND CON	ITROL DEVICES SEI	RVED BY THIS EXH	AUST POINT:			
NAME		FLO	W DIAGRAM DESIGNATION			
a)						
b)						
c)						
d)						
e)						
THE FOLLOWING INFORMATION NEED ONLY	DE QUIDDUJEN JE DEAN	I V AVAII API E				
49a) LATITUDE:	BE SOFFLIED IF READ	b) LONGITUDE:				
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):			

**APPLICATION PAGE** 



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR A	APPLICANT	'S USE
Revision #		
Date:	/	_ /
Page	of	AND ADDRESS OF THE PARTY OF THE
Source De	esignation: Screens	

# PROCESS EMISSION UNIT DATA AND INFORMATION

exhausted to the new DC6300 baghouse.

FOR AGENC	Y USE ONLY
ID NUMBER:	
EMISSION POINT #:	
DATE:	

SOURCE INFORMATION							
1) SOURCE NAME:							
Wedron Silica Company							
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB						
PREPARED:	(IF KNOWN): 099804AAB						

GENERAL INFORMATION				
4) NAME OF EMISSION UNIT: Screens				
5) NAME OF PROCESS:				
Wedron 3.5				
6) DESCRIPTION OF PROCESS:				
Sand screening in the scalping screen, Mexatex				
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR ACTIVITY ACCOMPLISHED:				
Dried raw sand.				
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:				
VS3300, VS5310, VS5320, VS5330, VS5340, VS	55350, VS5360, VS5370, VS5380, VS5390			
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):				
Rotex				
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):			
Megatex, Apex	TBD			
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):			
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2011 (planned)			
,	b) OPERATION (MONTH/YEAR);			
	4/2012 (planned)			
	c) LATEST MODIFICATION (MONTH/YEAR):			
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):				
Installation of thirteen (13) new screens to process	dried raw sand. The scalping screen (VS3300) will			

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR, 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

be exhausted to the new DC3300 baghouse. The remaining screens (Megatex and Apex) will be

**APPLICATION PAGE** 

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FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HA	VE NO	IRE THAN ON		JE 01 C	// LIVIIIO	1.7	- 1	J YE	s 🛛 NO	
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE PROCESS EMISSION UNIT FORM 220-CAAPP MUST BE COMPLETED FOR EACH MODE):										
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA	E (FOF	RM 260-CAAP	P AND	THE A	PPROPRIA	TE:	260-CAAPP			
The scalping screen (VS3300)							_	The re	maining	
screens (Megatex and Apex) v	vill be	exhausted	to th	e new	DC6300 t	oag	ghouse.			
16) WILL EMISSIONS DURING STA								) YE	s 🛛 NO	
RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING						.IMI	TAS			
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING S					TO OPERA	ATE	≣ WITH			
17) PROVIDE ANY LIMITATIONS OF STANDARDS (E.G., ONLY ONE					NG EMISSI	ON	IS OR ANY W	ORK P	RACTICE	
NA										
31/4										
								***************************************		
		OPERATI	INIC I	NEOD	WATION					
18) ATTACH THE CALCULATIONS,	ТО ТН					RE	LATED, FRO	M WHIC	:H THE	
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMAT	ION, MATERI	AL US	AGE IN	FORMATIO	N A	ND FUEL US			
19a) MAXIMUM OPERATING HOUR 8760	S	HOURS/DA			DAYS/WE	EK 7		WEEK	S/YEAR: 52	
b) TYPICAL OPERATING HOURS		HOURS/DA	Y:		DAYS/WE	EK		WEEKS/YEAR:		
8760		2	4			7			52	
20) ANNUAL THROUGHPUT	·	DEC-FEB(%	):	MAR	-MAY(%):	1	JUN-AUG(%	):	SEP-NOV(%):	
2,628,000 tons		25			25		25		25	
	A.A	ATEDIAL !	1647	EINE	ODMATI	\ \\				
	IVI	ATERIAL (	JOAG	I IIVE	<u>JAWA 11</u>	) I V			***************************************	
1	MAXIMUM RATES				T	TYPICAL RATES				
		MAXIMU	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		LBS/HR TONS/YEAR LBS/				IMILO	
21a) RAW MATERIALS	L				/EAR	$\vdash$	LBS/HR		TONS/YEAR	
21a) RAW MATERIALS Raw Sand	t			TONS/	(EAR 8,000	4	LBS/HR			
,	<u> </u>	BS/HR		TONS/			LBS/HR			
,	1	BS/HR		TONS/			LBS/HR			
,	Ĺ	BS/HR		TONS/			LBS/HR			
,		BS/HR		TONS/			LBS/HR			

	MAXIMU	M RATES	TYPICA	L RATES			
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR			
######################################		F					
	····						
			7700	L DATES			
O4 ) DV DDODUOT MATERIALS		M RATES		AL RATES			
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR			
			<u> </u>				
22a) MAXIMUM FIRING RATE	b) TYPICAL F	USAGE DATA	c) DESIGN CAPAC	ITY FIRING			
(MILLION BTU/HR):	(MILLION	BTU/HR):	/HR): RATE (MILLION BTU/HR):				
d) FUEL TYPE:				, <u>, , , , , , , , , , , , , , , , , , </u>			
ONATURAL GAS OFU	EL OIL: GRADE NUM	BER Oc	OAL OTHER_				
IF MORE THAN ONE FUEL IS				,			
e) TYPICAL HEAT CONTENT OF BTU/GAL OR BTU/SCF):	FUEL (BTU/LB,	f) TYPICAL SULI GAS):	FUR CONTENT (WT %	., NA FOR NATURAL			
a) TYDICAL ASSICONTENT/MIT	W NA EOD NATUE	AL BY ANNUAL ELL	EL LISAGE (SDECIEV I	INITS E.C.			
g) TYPICAL ASH CONTENT (WT %., NA FOR NATURAL SCF/YEAR, GAL/YEAR, TON/YEAR):							
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROL AS	YES ON			
IF NO, IDENTIFY THE EXHAUS	ST POINT FOR COM	BUSTION EMISSIONS:					

	APPLICABLE RULES	S
		PPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.204(j)(4), 3.5 LBS/GAL):
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
PM	IAC 212.123	less than or equal to 30% opacity
PM/PM10	IAC 212.321	Emission limits based on process throughput
	LE(S) WHICH ARE APPLICABLE TO THIS EMISSION UN	
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
26) PROVIDE ANY SPECIFIC REPORTING RULE(S)  REGULATED AIR POLLUTANT(S)	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:  REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
27) PROVIDE ANY SPECIFIC MONITORING RUI F(S	) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of
		the control device and sand handling process shall be
		performed to ensure that the system is operting properly.
	OR PROCEDURES WHICH ARE APPLICABLE TO THIS I	
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
PM	IAC 201.282	Emissions testing within 90 days of IEPA written request
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

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29) DOES THE EMISSION UN OTHERWISE APPLICABL	IT QUALIFY FOR AN EXEMPT E RULE?	TON FROM AN	O YES	⊗ NO				
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.								
	COMPLIANCE	E INFORMATION						
•	OMPLIANCE WITH ALL AP			O NO				
REQUIREMENTS?	AAADD IIOOMDI IANOE DI ANIO	OUEDINE OF COMPLIANCE		OD NON				
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.								
31) EXPLANATION OF HOW	NITIAL COMPLIANCE IS TO B	E, OR WAS PREVIOUSLY, DE	MONSTRATED:					
Recordkeeping of PM10	emissions.							
Emissions from screens will be determined in conjunction with other sources based upon the guaranteed exit grain loading of the new baghouse dust collectors DC3300 and DC6300 of 0.002 gr/dscf and their respective exhaust flow rates.								
32) EXPLANATION OF HOW Recordkeeping of PM10	ONGOING COMPLIANCE WILL	BE DEMONSTRATED:						
Recording of Fiving	emissions.							
ž	ading of the new baghous	ijunction with other source se dust collectors DC3300						
Demonstration of ongoing compliance will also include periodic inspection and maintenance of the conveyor system.								
TEST	NG MONITORING REC	ORDKEFPING AND RE	PORTING					
TESTING, MONITORING, RECORDKEEPING AND REPORTING  33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):								
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT		OUENCY				
sand throughpt	tons/mo; tons/yr	Citect	_	/; annual				
PM10 Emission	tons/mo; tons/yr	calculation	monthly	/; annual				

RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF F NTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
sand throughpt	automated systm	Env. Coordinator	Plant Manager
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager
<u></u>			
c) IS COMPLIANCE OF THE THE RECORDS?	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF	
IF NO, EXPLAIN:			
SUBMITTAL TO THE AGE	DILY AVAILABLE FOR INSPE NCY UPON REQUEST?	ECTION, COPYING AND	
IF NO, EXPLAIN:			
	ORS OR MONITORING ACTIV	VITIES USED TO DETERMINE FEE	ES, RULE APPLICABILITY OR
COMPLIANCE:  A continuous monitoring	system will be installed	maintained and operated for	monitoring the air flow
rate and pressure drop in		mamamod and operated for	monitoring the dir new
NIWHAT PARAMETER(S) IS	(ARE) BEING MONITORED	(E.G., VOM EMISSIONS TO ATMO	SPHEREY?
Pressure drop and air flo		(C.O., VOW EMIGGIONS TO ATMO	or riercy:
l '	ON OF EACH MONITOR (E.G.	., IN STACK MONITOR 3 FEET FRO	OM EXIT):
At the baghouse.			

**APPLICATION PAGE** 

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34d) IS EACH MONITOR EQUIPPED W	ITH A RECORDING DEVICE?	X YES NO
IF NO, LIST ALL MONITORS WITHOU	JT A RECORDING DEVICE:	<u> </u>
,		
		and the second s
AVIS EACH MONITOR REVIEWED FOR	ACCURACY ON AT LEAST A QUARTERI	Y O O
BASIS?	ACCOUNCY CHAN LEAGT A GOARTEN	LY X YES NO
IF NO, EXPLAIN:		
f) IS EACH MONITOR OPERATED AT A	ALL TIMES THE ASSOCIATED EMISSION	UNIT IS
IN OPERATION?		UNIT IS YES NO
IF NO, EXPLAIN:		
		:
35) PROVIDE INFORMATION ON THE MO	OST RECENT TESTS, IF ANY, IN WHICH	THE RESULTS ARE USED FOR
PURPOSES OF THE DETERMINATION	ON OF FEES, RULE APPLICABILITY OR ON OF SEES, RULE APPLICABILITY OR ON OF SEES	COMPLIANCE. INCLUDE THE TEST
	ONAL SPACE IS NEEDED, ATTACH AND	
	OPERA	ATING
TEST DATE TEST METHOD	TESTING COMPANY CONDIT	TIONS SUMMARY OF RESULTS
36) DESCRIBE ALL REPORTING REQUIF	DEMENTS AND DROVIDE THE TITLE AN	D ERECLIENCY OF REPORT
SUBMITTALS TO THE AGENCY:	CEMENTS AND I NOVIDE THE THEE AN	DIREGOLIOT OF REPORT
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of deviation	Excess emissions monitrng	As required
- Tourious of deviation		, a logariou
	equipment downtime, etc.	
Annual Emissions Report	Illinois AER	Annual
. 75		

**APPLICATION PAGE** 

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					(37)	<b>EMISSION</b>	INFORM	ATION							
			☐ ¹ACTUAL EN ☐ ¹UNCONTRO	IISSION RATE	N RATE		ALL	ALLOWABLE BY RULE EMISSION RATE					<sup>2</sup> PERMITTED EMISSION RATE		
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	5 <sub>RAT</sub>	E (UNITS)		APPLICABLE RULES	TONS PER YEAR (TONS/YR)		RATE	(UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM;							Ĭ.	)						
MONOXIDE (CO)	TYPICAL:							(	<u>)</u>			]]			
LEAD	MAXIMUM:								)			_] ]			
	TYPICAL:							(	,			]			
NITROGEN	MAXIMUM:							(	١						
OXIDES (NOx)	TYPICAL:								ار						
PARTICULATE	MAXIMUM:							4	١,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
MATTER (PART)	TYPICAL:								)						
PARTICULATE MATTER <= 10	MAXIMUM;	See	DC3300					1	)						
MICROMETERS (PM10)	TYPICAL:	and	DC6300						)						
SULFUR	MAXIMUM:							- (	) [						
DIOXIDE (SO2)	TYPICAL:							1	۱(						
VOLATILE ORGANIC	MAXIMUM:							i i	, [		:				
MATERIAL (VOM)	TYPICAL:								,						
OTHER, SPECIFY:	MAXIMUM:							(	)				7		
	TYPICAL:							3(	)						
EXAMPLE:	T	T	1	0.3				// DO///D	T	040 004	26.22	٦ ۱	E E I	DC/UD	22
PARTICULATE MATTER	MAXIMUM:	5.00	21.9	GR/DSCF 0.24		1	-	(LBS/HR)	-	212.321	26.28	- 1	5.5 L	BS/HR	1 44
WALLER	TYPICAL:	4.00	14.4	GR/DSCF		4	5.5	(LBS/HR)	I	212.321	19.80				1

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

**APPLICATION PAGE** 

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<sup>1</sup> CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

<sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS) 5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(3	8) HAZARDOUS .	AIR POLLUTAN	NT EMISSION I	NFORMATIC	ON
		ALLOWABLE BY RULE					
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE OR STANDARD APPLICABLE RULE
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
	ere	TYPICAL:					
		MAXIMUM:					
E		TYPICAL:					
		MAXIMUM:					
		TYPICAL:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		MAXIMUM:					
		TYPICAL:		<b>*************************************</b>			
X		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:		:			
EXAMPLE:		-MAXIMUM:	10.0	1.2		2	98% by wt control device CFR 61
Benzene	71432	TYPICAL:	8.0	0.8		2	leak-tight trucks 61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

<sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

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PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

<sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

EXHAUST POINT INFORMATION										
THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.										
39) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:										
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C	40) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.									
41) DISTANCE TO NEAREST PLANT BOU	41) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):									
42) DISCHARGE HEIGHT ABOVE GRADE										
43) GOOD ENGINEERING PRACTICE (G										
1.128 TIMES THE SQUARE ROOT OF	44) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.									
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM): b) TYPICAL (ACFM):									
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):							
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	WARD):								
48) LIST ALL EMISSION UNITS AND CON	ITROL DEVICES SE	RVED BY THIS EXH	AUST POINT:							
NAME	<u> </u>	FLO	W DIAGRAM DESIGNATION							
a)										
b)										
(C)										
d)										
е)										
THE FOLLOWING INCORMATION NEED ONLY	DE SUBBLIED IS DEAD	II V AVAILABI E								
49a) LATITUDE:	THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF READILY AVAILABLE.  49a) LATITUDE:  b) LONGITUDE:									
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):							

**APPLICATION PAGE** 



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR A	APPLICANT'S USE
Revision #	<b>†</b> :
Date:	
Page	of
Source De Silos/I	esignation: Hoppers/Loadout

	FOR AGENCY USE ONLY
PROCESS EMISSION UNIT	ID NUMBER:
DATA AND INFORMATION	EMISSION POINT #:
	DATE:
SOURCE IN	FORMATION
1) SOURCE NAME:	FORMATION
Wedron Silica Company	
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB
CENEDAL IA	IFORMATION
4) NAME OF EMISSION UNIT:	IFORMATION
Silos, Hoppers and Loadout Spouts	
5) NAME OF PROCESS:	
Wedron 3.5	
6) DESCRIPTION OF PROCESS;	
Silos, hoppers and spouts used for raw sand stor	•
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:
Raw sand	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
Fourteen (14) units designated either "SH	", "TA ", or "TS ". See Table 1.
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN);	
TBD	
10) MODEL NUMBER (IF KNOWN);	11) SERIAL NUMBER (IF KNOWN):
TBD	TBD
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2011 (planned)
,	b) OPERATION (MONTH/YEAR):
	4/2012 (planned)
	c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	
Installation of twelve (12) new silos/hoppers. SH33	300 will be exhausted to new baghouse DC3300
· · · · · · · · · · · · · · · · · · ·	DC6300, and two (2) units will be exhasuted to new
baghouse DC6400.	700000, 22 (2, 2

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

A	PI			C	Δ	T	10	N	ıp	Δ	G	E	
---	----	--	--	---	---	---	----	---	----	---	---	---	--

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FOR APPLICANT'S USE

IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):							U YE	s 🙆 NO
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA SH3300 will be exhausted to r baghouse DC6300, and two (2	E (FOF ICH IT Iew b	RM 260-CAAP EM OF AIR PO aghouse DO	PP ANI OLLU <sup>-</sup> C330	THE A TION CO 0. Elev	PPROPRIAT NTROL EQU /en (11) ui	E 260-CAAPP / JIPMENT): nits will be ex	ADDENI chauste	DUM FORM
16) WILL EMISSIONS DURING STARTUP EXCEED EITHER THE ALLOWABLE EMISSION RATE PURSUANT TO A SPECIFIC RULE, OR THE ALLOWABLE EMISSION LIMIT AS ESTABLISHED BY AN EXISTING OR PROPOSED PERMIT CONDITION?  IF YES, COMPLETE AND ATTACH FORM 203-CAAPP, "REQUEST TO OPERATE WITH EXCESS EMISSIONS DURING STARTUP OF EQUIPMENT".								
17) PROVIDE ANY LIMITATIONS ON SOURCE OPERATION AFFECTING EMISSIONS OR ANY WORK PRACTICE STANDARDS (E.G., ONLY ONE UNIT IS OPERATED AT A TIME):								
		OPERAT	ING I	NEOR	MATION			
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMAT	E EXTENT THE	HEY A	RE AIR SAGE IN	EMISSION F	AND FUEL US	AGE DA	H THE ATA WERE
19a) MAXIMUM OPERATING HOUR 8760	S	HOURS/DA	Y: 4		DAYS/WE	EK: 7	WEEK	S/YEAR: 52
b) TYPICAL OPERATING HOURS		HOURS/DA	Υ:		DAYS/WE	- 1	WEEK	S/YEAR:
8760			4			7		52
20) ANNUAL THROUGHPUT 2,628,000 tons		DEC-FEB(%	5):	MAR	-MAY(%): 25	JUN-AUG(% 25	o):	SEP-NOV(%): 25
	М	ATERIAL U	ISAC	SE INF	ORMATIO	N		
		MAXIMU	JM RA				YPICAL	RATES
21a) RAW MATERIALS	L	BS/HR		TONS/	/EAR	LBS/HR		TONS/YEAR
Raw Sand		600,00		2,62	8,000			
			_					
			-					
			-					
				***************************************				

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	MAXIMU	JM RATES	TYPICA	AL RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
entranamenta anti-				
			·	
	MAXIMU	JM RATES	TYPICA	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
		·	<u>:</u>	
			44	
			:	
	-			
22a) MAXIMUM FIRING RATE		. USAGE DATA FIRING RATE	c) DESIGN CAPAC	TY FIRING
(MILLION BTU/HR):	(MILLION	BTU/HR):	RATE (MILLION	I BTU/HR):
	ľ			
d) FUEL TYPE:				
ONATURAL GAS OFUI	EL OIL: GRADE ÑUN	ABER OC	OAL OTHER	
IF MORE THAN ONE FUEL IS				
e) TYPICAL HEAT CONTENT OF				
BTU/GAL OR BTU/SCF):	OEL (BIOILB,	GAS):	OK CONTENT (WI X	., NATORNATORAL
g) TYPICAL ASH CONTENT (WT	%., NA FOR NATUR	RAL h) ANNUAL FUE	L USAGE (SPECIFY	JNITS, E.G.,
GAS):		SCF/YEAR, G	ALIYEAR, TONIYEAR	):
23) ARE COMBUSTION EMISSION	S DUCTED TO THE	SAME STACK OR CONT	ROLAS	
PROCESS UNIT EMISSIONS?	O DOOTED TO THE	U, IIII U / MOIN OIN OOM		J YES U NO
IF NO, IDENTIFY THE EXHAUS	T POINT FOR COM	BUSTION EMISSIONS:		
				#

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	APPLICABLE RUL	ES				
		E APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.204(j)(4), 3.5 LBS/C				
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)				
PM	IAC 212.123	less than or equal to 30% opacity				
PM/PM10	IAC 212.321	Emission limits based on process throughput				
	RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION	UNIT:				
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)				
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions				
PROVIDE ANY SPECIFIC REPORTING RULE REGULATED AIR POLLUTANT(S)	(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	REQUIREMENT(S)				
PM/PM10						
T IVII IVII V	IAC 201.302	Annual Emission Report				
PROVIDE ANY SPECIFIC MONITORING RULI REGULATED AIR POLLUTANT(S)	E(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT					
		REQUIREMENT(S)				
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of				
		the control device and sand handling process shall be				
		performed to ensure that the system is operting properly.				
ROVIDE ANY SPECIFIC TESTING RULES A	ND/OR PROCEDURES WHICH ARE APPLICABLE TO TH	S EMISSION UNIT :				
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)				
PM	IAC 201.282	Emissions testing within 90 days of IEPA written request				
DM/DM/40	100 040 400/440	DAVO NACEL III IEDA III III III				
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification				

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29) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP LE RULE?	TION FROM AN	O YES	Ø NO					
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.									
	COMPLIANC	E INFORMATION							
30) IS THE EMISSION UNIT	IN COMPLIANCE WITH ALL AI		X YES						
REQUIREMENTS?			YES YES	U NO					
IF NO, THEN FORM 294- COMPLYING EMISSION	CAAPP "COMPLIANCE PLAN/ UNITS" MUST BE COMPLETE	SCHEDULE OF COMPLIANCE - D AND SUBMITTED WITH THIS	- ADDENDUM FO APPLICATION.	OR NON					
31) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY, DE	MONSTRATED:						
Recordkeeping of PM1	0 emissions.								
Emissions from these s	ilos/hoppers/spouts will b	e determined in conjunction	n with other s	ources based					
upon the guaranteed e	kit grain loading of the ne	w baghouse dust collectors		1.					
0.002 gr/dscf and their	respective exhaust flow ra	ates.							
				2000					
32) EXPLANATION OF HOW	ONGOING COMPLIANCE WIL	L BE DEMONSTRATED:							
Recordkeeping of PM10		E DE DEMONOTRATED.							
Recordicepting of Fivi II	demissions.			8 8					
Emissions from these s	ilos/hoppers/souts will be	determined in conjunction	with other so	urces based					
_	<del>-</del>	v baghouse dust collectors	DC3300 and	DC6300 of					
0.002 gr/dscf and their	espective exhaust flow ra	ites.							
Demonstration of ongoi	na compliance will also in	clude periodic inspection a	and maintenar	ace of the					
conveyor system.	ng compilance will also in	ordeo portodio mopocitori e	and mannena	loc of the					
TEST	ING, MONITORING, REC	ORDKEEPING AND REF	PORTING						
33a) LIST THE PARAMETER	S THAT RELATE TO AIR EMIS	SIONS FOR WHICH RECORDS	ARE BEING MA						
		Y OF SUCH RECORDS (E.G., F							
- Serence and France are									
PARAMETER sand throughpt	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT		QUENCY					
	tons/mo; tons/yr	Citect		; annual					
PM10 Emission	tons/mo; tons/yr	calculation	monthly	; annual					
		:							
L									

RECORDED PARAMET	ER INCLUDE THE METHOD (	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF F NTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR					
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON					
sand throughpt	automated systm	Env. Coordinator	Plant Manager					
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager					
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN;	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF	⊠ YES □ NO					
d) ARE ALL RECORDS REAL SUBMITTAL TO THE AGE IF NO, EXPLAIN:	DILY AVAILABLE FOR INSPE NCY UPON REQUEST?	CTION, COPYING AND	⊠ YES □ NO					
34a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:  A continuous monitoring system will be installed, maintained and operated for monitoring the air flow rate and pressure drop in the baghouse.								
b) WHAT PARAMETER(S) IS Pressure drop and air flo		E.G., VOM EMISSIONS TO ATMOS	SPHERE)?					
c) DESCRIBE THE LOCATION	N OF EACH MONITOR (E.G.,	, IN STACK MONITOR 3 FEET FRO	DM EXIT):					

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34d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	X YES	ONO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:	120	_ 110
<ul><li>e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?</li></ul>	X YES	U NO
IF NO, EXPLAIN:		
f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS IN OPERATION?	∀ES	U NO
IF NO, EXPLAIN:		
35) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESU PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIANCE	E. INCLUDE TH	HE TEST
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS	DURING THE EXHIBIT 220-4:	TEST AND A
OPERATING		
TEST DATE TEST METHOD TESTING COMPANY CONDITIONS	SUMMARY OF	RESULTS
36) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUEI SUBMITTALS TO THE AGENCY:	NCY OF REPOR	T
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	
Notification of deviation Excess emissions monitrng As req	uired	
equipment downtime, etc.		
Annual Emissions Report Illinois AER Annua		

					(37)	EMISSION	INFORMA	TION					
			O <sup>1</sup> actual en	MISSION RATE	N RATE		ALLO	WABLE B	Y RULE EMISS	ION RATE	²PERM	ITTED EMIS	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>4</sup> DM <sup>5</sup> RATE (UNITS) APPLICABLE YEAR			TONS PER YEAR (TONS/YR)	RATE	(UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:							<u>( ) </u>					
MONOXIDE (CO)	TYPICAL:		1					( )					
LEAD	MAXIMUM:							( )					
	TYPICAL:							( )					#1
NITROGEN	MAXIMUM:							.( )					
OXIDES (NOx)	TYPICAL:							( )					
PARTICULATE	MAXIMUM:							()					
MATTER (PART)	TYPICAL:							( )					
PARTICULATE MATTER <= 10	MAXIMUM:	See	DC3300	DC6300,				( )					
MICROMETERS (PM10)	TYPICAL;	and	DC6400					( )					
SULFUR	MAXIMUM:							( )					
DIOXIDE (SO2)	TYPICAL:							( )					
VOLATILE ORGANIC	MAXIMUM:							( ).					
MATERIAL (VOM)	TYPICAL:							( )					
OTHER, SPECIFY:	MAXIMUM:							( ).					
	TYPICAL:							( )					
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	21.9	0,3 GR/DSCF		1	6.0 (L	BS/HR)	212.321	26.28	5.5 L	.BS/HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCE		4	5.5 (L	BS/HR)	212.321	19.80			

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

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<sup>1</sup> CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.
2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)
4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

<sup>&</sup>lt;sup>5</sup>RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(3	8) HAZARDOUS	AIR POLLUTAN	IT EMISSION I	NFORMATIO	NC		
			O 1ACTUA	AL EMISSION RA NTROLLED EMIS	ALLOWABLE BY RULE				
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	5 <sub>RA1</sub>	E OR STANDARD	APPLICABLE RULE
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							:
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:	<u></u>						
:		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% [	by wt control device	CFR 61
Benzene	71432	TYPICAL:	8.0	0.8		2	16	eak-tight trucks	61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

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PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS, CHECK BOX TO SPECIFY. <sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS). <sup>5</sup>RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION								
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	HAUSTED THROUGH A	IR POLLUTION CONTROL EQUIPMENT.					
39) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:								
40) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.								
41) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):								
42) DISCHARGE HEIGHT ABOVE GRADE	Ē (FT):							
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNO	WN (FT):						
44) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.								
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACFI	M):	b) TYPICAL (ACFM):					
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):					
47) DIRECTION OF EXHAUST (VERTICAL	., LATERAL, DOWN	VARD):						
48) LIST ALL EMISSION UNITS AND CON	ITROL DEVICES SEF	RVED BY THIS EXH	AUST POINT:					
NAME		FLO	W DIAGRAM DESIGNATION					
a)								
(b)								
с)								
d)	d)							
e)								
THE FOLLOWING INCOMES TO THE FOLIOWING INCOMES								
THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF READILY AVAILABLE.  49a) LATITUDE:  b) LONGITUDE:								
50) UTM ZONE:	b) UTM VERTICAL (KM): c) UTM HORIZONTAL (KM):							



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

EC	OR APPLICANT'S USE
Revisi	on #:
Date:	
Page	of
Source	e Designation:
:	Rotary Dryer

	FOR AGENCY USE ONLY					
	ID NUMBER:					
FUEL COMBUSTION EMISSION UNIT						
DATA AND INFORMATION	EMISSION POINT #:					
:	DATE:					
L						
SOURCE IN	FORMATION					
1) SOURCE NAME:						
Wedron Silica Company						
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB					
GENERAL IN	FORMATION					
4) NAME OF EMISSION UNIT:						
Rotary Dryer RD3300						
5) NAME OF PROCESS:						
Wedron 3.5						
6) DESCRIPTION OF PROCESS:						
Wet raw sand is dried in the natu						
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:					
Raw sand						
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:						
RD3300  9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):						
TBD						
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN);					
TBD	TBD					
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):					
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2011 (planned)					
OF THIS EMISSION UNIT (ACTUAL OR FLANNED)	b) OPERATION (MONTH/YEAR):					
	4/2012 (planned)					
	c) LATEST MODIFICATION (MONTH/YEAR):					
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):						
Installation of a new rotary dryer used to rem	ove moisture from wet sand. Exhaust will be					
directed to new baghouse DC3300.						

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

		FUR APPLICANT'S USE
<b>APPLICATION PAGE</b>		

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14) DOES THE EMISSION UNIT HAVE MO	RE THAN ONE MOD	E OF C	PERATION?		) YE	s 🛛 NO
IF YES, EXPLAIN AND IDENTIFY WHIC A SEPARATE PROCESS EMISSION U FOR EACH MODE):					<u> </u>	, 0 100
. 61. 2.161						
15) PROVIDE THE NAME AND DESIGNAT	ION OF ALL AIR POL	LUTIO	N CONTROL E	OUIPMENT	CONTRO	OLLING THIS
EMISSION UNIT, IF APPLICABLE (FOR MUST BE COMPLETED FOR EACH IT	RM 260-CAAPP AND EM OF AIR POLLUTI	THE A	PPROPRIATE	260-CAAPP A	ADDENE	DUM FORM
Exhaust will be directed to new ba	ighouse DC3300.					
16) WILL EMISSIONS DURING STARTUP RATE PURSUANT TO A SPECIFIC RU ESTABLISHED BY AN EXISTING OR F	ILE, OR THE ALLOW	ABLE E	MISSION LIM		O YE	s 🛭 NO
IF YES, COMPLETE AND ATTACH FO EXCESS EMISSIONS DURING START			TO OPERAT	E WITH		
17) PROVIDE ANY LIMITATIONS ON SOU			NG EMISSION	IS OR ANY W	ORK P	RACTICE
STANDARDS (E.G., ONLY ONE UNIT	IS OPERATED AT A	TIME):				
AO ATTAOLITIS ON OUR ATONO TO T	OPERATING IN			LATED EDOI	MWUIC	U TUE
18) ATTACH THE CALCULATIONS, TO TH FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1	IE EXTENT THEY AR	E AIR GE IN	EMISSION RE	AND FUEL U	SAGE D	H THE ATA WERE
FOLLOWING OPERATING INFORMAT	IE EXTENT THEY AR TION, MATERIAL USA I. REFER TO SPECI.   HOURS/DAY:	E AIR GE IN	EMISSION RE	AND FUEL US 202-CAAPP.	SAGE D	H THE ATA WERE S/YEAR:
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1	HE EXTENT THEY AR TON, MATERIAL USA I. REFER TO SPECI	E AIR GE IN	EMISSION RE FORMATION TES OF FORM	AND FUEL US 202-CAAPP.	SAGE D	ATA WERE
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1 19a) MAXIMUM OPERATING HOURS	IE EXTENT THEY AR TION, MATERIAL USA I. REFER TO SPECI.   HOURS/DAY:	E AIR GE IN	EMISSION RE FORMATION (ES OF FORM DAYS/WEEK	AND FUEL US 202-CAAPP.	WEEK	ATA WERE
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS  8760  b) TYPICAL OPERATING HOURS  8760	E EXTENT THEY ARTION, MATERIAL USA I. REFER TO SPECIA HOURS/DAY: 24 HOURS/DAY: 24	RE AIR NGE IN AL NO	EMISSION RE FORMATION I'ES OF FORM DAYS/WEEK 7 DAYS/WEEK 7	AND FUEL US 202-CAAPP.	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS  8760  b) TYPICAL OPERATING HOURS  8760  20) ANNUAL THROUGHPUT	E EXTENT THEY AFTON, MATERIAL USA I. REFER TO SPECIA HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%):	RE AIR NGE IN AL NO	EMISSION RE FORMATION I'ES OF FORM DAYS/WEEK 7 DAYS/WEEK	AND FUEL US 202-CAAPP.  S:  JUN-AUG(%	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:  SEP-NOV(%):
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS  8760  b) TYPICAL OPERATING HOURS  8760	E EXTENT THEY ARTION, MATERIAL USA I. REFER TO SPECIA HOURS/DAY: 24 HOURS/DAY: 24	RE AIR NGE IN AL NO	EMISSION RE FORMATION I'ES OF FORM DAYS/WEEK 7 DAYS/WEEK 7	AND FUEL US 202-CAAPP.	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS  8760  b) TYPICAL OPERATING HOURS  8760  20) ANNUAL THROUGHPUT	HE EXTENT THEY ARTION, MATERIAL USA I. REFER TO SPECIA HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25	MAR 25	EMISSION REFORMATION TES OF FORM  DAYS/WEEK  T  DAYS/WEEK  7  TAYS/WEEK  7  -MAY(%):	AND FUEL US 202-CAAPP.  S:  JUN-AUG(%	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:  SEP-NOV(%):
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons	HE EXTENT THEY ARTION, MATERIAL USA I. REFER TO SPECIA HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25	MAR 25	EMISSION REFORMATION TES OF FORM  DAYS/WEEK  7  DAYS/WEEK  7  -MAY(%):	AND FUEL US 202-CAAPP.  S:  JUN-AUG(%	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:  SEP-NOV(%):
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS  8760  b) TYPICAL OPERATING HOURS  8760  20) ANNUAL THROUGHPUT	HE EXTENT THEY ARTION, MATERIAL USA I. REFER TO SPECIA HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25	MAR 25	EMISSION REFORMATION TES OF FORM  DAYS/WEEK  7  DAYS/WEEK  7  -MAY(%):	AND FUEL US 202-CAAPP.  S:  JUN-AUG(% 25	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:  SEP-NOV(%):
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons	IE EXTENT THEY AFTON, MATERIAL USA I. REFER TO SPECIA I. HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25 FIRING RATE IN SPACITY (MILLION BY	MAR 25	EMISSION REFORMATION TES OF FORM TO DAYS/WEEK TO DAYS/WEE	AND FUEL US 202-CAAPP.  S:  JUN-AUG(% 25	WEEK 52 WEEK 52 6):	S/YEAR: S/YEAR: SEP-NOV(%): 25
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons  21a) RATED OR DESIGN HEAT INPUT CA	IE EXTENT THEY AFTON, MATERIAL USA I. REFER TO SPECIA I. HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25 FIRING RATE IN SPACITY (MILLION BY	MAR 25	EMISSION REFORMATION TES OF FORM TO DAYS/WEEK TO DAYS/WEE	AND FUEL US 202-CAAPP.  S:  JUN-AUG(% 25	WEEK 52 WEEK 52	ATA WERE  S/YEAR:  S/YEAR:  SEP-NOV(%):
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons  21a) RATED OR DESIGN HEAT INPUT CA	IE EXTENT THEY AFTON, MATERIAL USA I. REFER TO SPECIA I. HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25 FIRING RATE IN SPACITY (MILLION BY	MAR 25	EMISSION REFORMATION TES OF FORM TO DAYS/WEEK TO DAYS/WEE	AND FUEL US 202-CAAPP.  S:  JUN-AUG(% 25	WEEK 52 WEEK 52 6):	S/YEAR: S/YEAR: SEP-NOV(%): 25
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons  21a) RATED OR DESIGN HEAT INPUT CA	IE EXTENT THEY AFTON, MATERIAL USA I. REFER TO SPECIA I. HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25 FIRING RATE IN SPACITY (MILLION BY	MAR 25	EMISSION REFORMATION TES OF FORM TO DAYS/WEEK TO DAYS/WEE	AND FUEL US 202-CAAPP.  S:  JUN-AUG(%	WEEK 52 WEEK 52 6):	S/YEAR: S/YEAR: SEP-NOV(%): 25
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FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1  19a) MAXIMUM OPERATING HOURS 8760  b) TYPICAL OPERATING HOURS 8760  20) ANNUAL THROUGHPUT 2,628,000 tons  21a) RATED OR DESIGN HEAT INPUT CA	IE EXTENT THEY AFTON, MATERIAL USA I. REFER TO SPECIA I. HOURS/DAY: 24 HOURS/DAY: 24 DEC-FEB(%): 25 FIRING RATE IN SPACITY (MILLION BY	MAR 25	EMISSION REFORMATION TES OF FORM TO DAYS/WEEK TO DAYS/WEE	AND FUEL US 202-CAAPP.  S:  JUN-AUG(%	WEEK 52 WEEK 52 6):	S/YEAR: S/YEAR: SEP-NOV(%): 25

THE BURNER IS LOCAT	TY IS 100 MILLION BTU/HOW ME IS DEFINED AS THAT V ED, THE FURNACE SIDE W T ROW OF CONVECTION P	OLUME BOUNDE VATERWALL, AN	ED BY THE FRO	NT FURNACE W	VALL WHERE		
NA							
		NATURAL GAS	FUEL OIL	COAL	OTHER		
d) SINGLE FUEL (MAXIMUI MILLION BTU/HOUR)	100	na	na	na			
e) SINGLE FUEL (TYPICAL MILLION BTU/HOUR)	· •	100	na	na	na		
f) COMBINED FUEL (TYPIC MILLION BTU/HOUR) (IF		na	na	na	na		
	NATUR	AL GAS FIRIN	VG				
22a) CURRENT ORIGIN OF NATURAL GAS:	PIPELINE (FIRM COM	NTRACT)	O BY-PF	RODUCT, SPECI	IFY ORIGIN:		
PIPELINE (INTERRUPTIBLE SUPPLY OTHER, - SPECIFY: CONTRACT)							
b) TYPICAL HEAT CONTEN 1000 Btu/s	,						
c) MAXIMUM CONSUMPTION	SCF/MONTH: 73,000,000		SCF/YEAR: 876,000,000				
d) TYPICAL CONSUMPTION	SCF/MONTH: 48,666,618		SCF/YEAR: 584,000,000				
	0	IL FIRING					
23a) OIL TYPE (CHECK ONE)	): O NO <sub>6</sub> 1	NO, 2					
b) TYPICAL HEAT CONTEN	- <del> </del>		JSED ONLY AS A	A O YE	s O no		
□ btu/lb - or - 0	) BTU/GAL	KESEN	VE FUEL!	5.000	5 (2000 nov.)		
d) TYPICAL SULFUR CONT	ENT AS FIRED (WT %):	e) TYPICA	L ASH CONTEN	IT AS FIRED (W	Т %):		
f) MAXIMUM CONSUMPTION	GAL/MONTH:		GAL/YI	EAR:			
g) TYPICAL CONSUMPTION	GAL/MONTH:		GAL/YI	EAR:			
h) FIRING DIRECTION:	O HORIZONTAL	TANGENT	rial Oo	THER, SPECIFY	<i>f</i> :		

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SOLID FUEL FIRING						
*24a) SOLID FUEL TYPE (CHECK ALL THAT APPLY):	SUB-BITUMINOUS COAL	O LIGNITE O	OAL	О вітиміно	OUS COAL	
0	ANTHRACITE COAL	O OTHER, S	SPECIFY:			
b) TYPICAL HEAT CONTENT AS F	IRED (BTU/LB):	c) TYPICAL MOIS	TURE CONT	ENT AS FIRED (	NT %):	
d) TYPICAL SULFUR CONTENT A	S FIRED (WT %):	e) TYPICAL ASH	CONTENT AS	S FIRED (WT %):		
f) TYPICAL FINES CONTENT (% L	ESS THAN 1/8 INCH):	g) IS THE COAL CLEANED?		YES	O NO	
h) HOW MUCH COAL REFUSE IS	IN THE FUEL? (WT %):					
i) MAXIMUM CONSUMPTION	TON/MONTH:		TON/YEAR	i		
j) TYPICAL CONSUMPTION	TON/MONTH:		TON/YEAR	•		
k) FIRING TYPE (CHECK ONE):	TRAVELING GRATE	E O SPF	EADER STO % REINJE			
	CYCLONE		VERIZED, T ET BOTTOM	YPE (CIRCLE ON DRY BOT		
	HORIZONTALLY OPPOSED	OTHER, SPECIFY:				
*NOTE: IF REQUIRED, SUBMIT CO SPECIFICATIONS OF THE FUEL AN COAL, SUBMIT APPROPRIATE POF ARE BLENDED AND ACTUALLY FIR	ID THE DURATION OF TH RTIONS OF ALL FUEL CO	IE CONTRACT. IF T INTRACTS AND STA	THE ACTUAL ATE THE MA	. FUEL FIRED IS	A BLEND OF	
	OTHER FU	IEL FIRING				
25a) OTHER FUEL FIRING	TYPE		S	UPPLIER		
b)	b)					
b) TYPICAL HEAT CONTENT (SPE	c) TYPICAL NITROGEN CONTENT AS FIRED (WT %):					
d) TYPICAL SULFUR CONTENT A	e) TYPICAL ASH CONTENT AS FIRED (WT %):					
f) MAXIMUM CONSUMPTION	(SPECIFY UNITS/MON	NTH): (SPECIFY UNITS/YEAR):				
g) TYPICAL CONSUMPTION	(SPECIFY UNITS/MON	ITH):	(SPECIFY	UNITS/YEAR):		

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	APPLICABLE RUL	
26) PROVIDE ANY SPECIFIC EMISSION STANDARD IAC 212.206, <= 0.10 LBS/MMBTU):	)(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE	E APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER,
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
РМ	IAC 212.123	less than or equal to 30% opacity
PM/PM10	IAC 212.321	Emission limits based on process throughput
· ·	JLE(S) WHICH ARE APPLICABLE TO THIS EMISSION (	
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	DEALIDEMENT(S)
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
29) PROVIDE ANY SPECIFIC MONITORING RULE(S	S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of
		the control device and sand handling process shall be
		performed to ensure that the system is operting properly.
20) DECUME ANY ODECIFIC TESTING BUILDS AND	200 SPOCEDURES INCHES ARE ADDITIONED FOR THE	IO EMICOLONE INIT:
30) PROVIDE ANY SPECIFIC TESTING RULES AND/ REGULATED AIR POLLUTANT(S)	O/OR PROCEDURES WHICH ARE APPLICABLE TO THI TESTING RULE(S)	IS EMISSION UNIT ∮ □REQUIREMENT(S)
PM	IAC 201.302	Emissions testing within 90 days of IEPA written request
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification
	] [	

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31) DOES THE EMISSION UN		PTION FROM AN	YES	(X) NO			
OTHERWISE APPLICABLE RULE?  IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 240-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.							
COMPLIANCE INFORMATION							
32) IS THE EMISSION UNIT I			(X) YES	<u> </u>			
REQUIREMENTS?	41		✓ YES	U NO			
	CAAPP "COMPLIANCE PLAN JNITS" MUST BE COMPLET!						
33) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSL	Y, DEMONSTRATE	D:			
Recordkeeping of	PM10 emissions.						
•	vill be determined in con rain loading of the new b ow rate.	•					
§	nd VOC emissions shall mbustion from AP-42: 1	-					
34) EXPLANATION OF HOW	ONGOING COMPLIANCE WI	LL BE DEMONSTRATED:	<i></i>				
sources based upo DC3300 of 0.002 g	PM10 emissions from the n the guaranteed exit gr r/dscf and its exhaust flo ngoing compliance will a d elevator systems.	ain loading of the new w rate.	baghouse dust o	collector			
NOx, CO, SO2, and VOC emissions shall be calculated using the following emission factors for natural gas combustion from AP-42: 100 lb NOx/MMcf; 84 lb CO/MMcf; 5.5 lb VOC/MMcf 0.06 lb SO2/MMcf.							
TESTING, MONITORING, RECORDKEEPING AND REPORTING							
35a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):							
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASURE	MENT F	REQUENCY			
sand throughpt	tons/mo; tons/yr	Citect	mont	hly; annual			
PM10 Emission	tons/mo; tons/yr	calculation	mont	hly; annual			

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RECORDED PARAMET	ER INCLUDE THE METHOD (	ORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF F TACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR			
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON			
sand throughpt	automated systm	Env. Coordinator	Plant Manager			
PM10 Emission	Env. Coordinator Plant Manager					
c) IS COMPLIANCE OF THE THE RECORDS?	EMISSION UNIT READILY DE	EMONSTRATED BY REVIEW OF	⊠ YES □ NO			
IF NO, EXPLAIN:						
• ,						
d) ARE ALL RECORDS BEAL	DILY AVAILABLE FOR INSPE	CTION CORVINC AND				
SUBMITTAL TO THE AGE		CTION, COPTING AND	X YES ☐ NO			
IF NO, EXPLAIN:						
			**************************************			
36a) DESCRIBE ANY MONITO COMPLIANCE:	DRS OR MONITORING ACTIV	ITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR			
	g system will be installed	, maintained and operated fo	or monitoring the air flow			
rate and pressure drop	in the baghouse.					
b) WHAT PARAMETER(S) IS	(ARE) BEING MONITORED (E	.G., OPACITY)?	and the state of t			
Pressure drop and air flow rate.						
c) DESCRIBE THE LOCATIO	N OF EACH MONITOR (E.G	IN STACK MONITOR):				
c) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR):  At the baghouse.						
, it the bughtuse.						
E. C.						

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36d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	× YES	O NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE;		
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?	× YES	O NO
IF NO, EXPLAIN:		33 30 30 44
f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS	× YES	O NO
IN OPERATION?	O 123	NO NO
IF NO, EXPLAIN:		
37) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RES PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIAN	ICE. INCLUDE T	HE TEST
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS	NG DURING THE S EXHIBIT 240-4:	TEST AND A
OPERATING TEST DATE TEST METHOD TESTING COMPANY CONDITIONS	SUMMARY OF	рсенте
TEST METHOD TESTING COMPANY CONDITIONS	JOINIMART OF	NESOEIS
	L	
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUI SUBMITTALS TO THE AGENCY:	ENCY OF REPOR	aT .
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	

					(39)1	EMISSION	INFORMATION						
	☐ ¹ACTUAL EMISSION RATE ☐ ¹UNCONTROLLED EMISSION RATE					ALLOWABLE BY RULE EMISSION RATE 2PERMITTED EMISSION RATE				SSION RATE			
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE (UNITS		LICABLE	TONS PER YEAR (TONS/YR)	RATE	(UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:	8,40	36.79				(	) G 9			8.4	lb/hr	36.8
MONOXIDE (CO)	TYPICAL:						(	)					
LEAD	MAXIMUM:						(	)					
	TYPICAL:						(	)					
NITROGEN	MAXIMUM:	10.0	43.8		·			)			10.0	ੀb/hr	43.8
OXIDES (NOx)	TYPICAL:							)					
PARTICULATE	:MAXIMUM;						(	)					
MATTER (PART)	TYPICAL:						(	)					
PARTICULATE MATTER <= 10	MAXIMUM:	See	DC3300					)					
MICROMETERS (PM10)	TYPICAL;	:			·		.(	)					
SULFUR	MAXIMUM:	0.06	0.26				(	)			0.06	lb/hr	0.26
DIOXIDE (SO2)	TYPICAL:						(	)					
VOLATILE ORGANIC	MAXIMUM:	0.55	2,41				(	)			0.55	lb/hr	2.41
MATERIAL (VOM)	TYPICAL:							)		:			
OTHER, SPECIFY:	MAXIMUM:						(	)					
	TYPICAL:						(	)					
EXAMPLE: PARTICULATE	:MUMIXAM	5.00	21.9	0,3 GR/DSCF		1	6.0 (LBS/HR)	2	12.321	26.28	5.5	LBS/HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCF		4	5.5 (LBS/HR)	2	12.321	19.80			

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-5.

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<sup>1</sup>CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS. 2PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

<sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS) 5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(40	) HAZARDOUS .	AIR POLLUTAN	NT EMISSION II	NFORMATIO	N	
HAP INFORM	HAP INFORMATION		□ ¹actu □ ¹unco	AL EMISSION RA		ALLOWABLE BY RU	LE	
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM;						
		TYPICAL:						
n distribution and a second		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
	e de la companya de l	TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		МАХІМИМ:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:	······································					
:		MAXIMUM:						
		TYPICAL:						
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% by wt control device	CFR 61
Benzene	71432	TYPICAL	8.0	0.8		2	leak-tight trucks	61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-6.

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<sup>&</sup>lt;sup>1</sup>PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY. 
<sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

<sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).
5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION						
THIS SECTION SHOULD NOT BE COMPLETED	THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.					
41) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:						
42) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.						
43) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):						
44) DISCHARGE HEIGHT ABOVE GRADE	E (FT):					
45) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNO	OWN (FT):				
46) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.						
47) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):		b) TYPICAL (ACFM):			
48) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):			
49) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	IWARD):				
50) LIST ALL EMISSION UNITS AND COM	TROL DEVICES SE	RVED BY THIS EXH	AUST POINT:			
NAME		FLO	W DIAGRAM DESIGNATION			
a)						
c)						
d)						
e)						
THE FOLLOWING INFORMATION NEED ONLY	RE SLIPPLIED IE REAL	DILY AVAILARLE				
THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF REA 51a) LATITUDE:		b) LONGITUDE:				
52) UTM ZONE:	b) UTM VERTICAL	_(KM):	c) UTM HORIZONTAL (KM):			



1) SOURCE NAME:

#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR A	PPLICA	NT'S USE		
Revision #:				
Date:		/		
Page		of		
Source Designation:				
DC3300				

# AIR POLLUTION CONTROL EQUIPMENT DATA AND INFORMATION

Wedron Silica Company

	FOR AGENCY U	SE ONLY		
ID NUMBER:				
CONTROL EQUIP	PMENT #:			
DATE		uu.	<u></u>	

THIS FORM MUST BE COMPLETED FOR EACH AIR POLLUTION CONTROL EQUIPMENT. COMPLETE AND PROVIDE THIS FORM IN ADDITION TO THE APPLICABLE ADDENDUM FORM 260-A THROUGH 260-K. A SEPARATE FORM MUST BE COMPLETED FOR EACH MODE OF OPERATION OF AIR POLLUTION CONTROL EQUIPMENT FOR WHICH A PERMIT IS BEING SOUGHT.

SOURCE INFORMATION

2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB				
	FORMATION				
4) NAME OF AIR POLLUTION CONTROL EQUIPMENT AND/O	R CONTROL SYSTEM				
Baghouse DC3300					
5) FLOW DIAGRAM DESIGNATION OF CONTROL EQUIPMEN	IT AND/OR CONTROL SYSTEM:				
DC3300					
MANUFACTURER OF CONTROL EQUIPMENT (IF KNOWN     Donaldson Torit	);				
	LO CERIAL NUMBER (IE KNOWN):				
7) MODEL NUMBER (IF KNOWN): Model 458RFWH10	8) SERIAL NUMBER (IF KNOWN): TBD				
9) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):				
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EQUIPMENT (ACTUAL OR PLANNED)	12/11				
,	b) OPERATION (MONTH/YEAR):				
	04/12				
	c) LATEST MODIFICATION (MONTH/YEAR):				
10) BRIEFLY DESCRIBE MODIFICATION (IF APPLICABLE):					
Installation of new baghouse deignated DC3300.	The unit will control emissions of particulate				
matter from the rotary dryer, scalping screen, and					

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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11) LIST ALL EMISSION UNITS AND OTHER CONTROL EQU	IPMENT DUCTING EMISSIONS TO THIS CONTROL
EQUIPMENT: NAME	DESIGNATION OR CODE NUMBER
Rotary Dryer, two belt conveyors, scalping	RD3300; BC3300; EL3300; SH3300;
screen, two bucket elevators, and a silo.	BC3310; EL3310; VS3300,
12) DOES THE CONTROL EQUIPMENT HAVE MORE THAN O	NE MODE OF OPERATION? YES NO
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVE A SEPARATE AIR POLLUTION CONTROL EQUIPMENT FO COMPLETED FOR EACH MODE):	RED BY THIS FORM (NOTE: DRM 260-CAAPP MUST BE
13) IDENTIFY ALL ATTACHMENTS TO THIS FORM RELATED	TO THIS AIR POLLUTION CONTROL EQUIPMENT(E.G.,
TECHNICAL DRAWINGS):	
NA	
i	
OPERATING	
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME	
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION: NA	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
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14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE  FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE  FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE YES NO
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE  FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE
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	APPLICABLE RULES	
16) PROVIDE ANY SPECIFIC EMISSION STANDARD( OVERALL & 90% CONTROL DEVICE EFF.):	(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE A	APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.207(b)(1), 81%
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
PM	IAC 212.123	less than or equal to 30% opacity
PM/PM10	IAC 212.321	Emission limits based on process throughput
17) PROVIDE ANY SPECIFIC RECORDKEEPING RUI	LE(S) WHICH ARE APPLICABLE TO THIS EMISSION UN	IIT:
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
18) PROVIDE ANY SPECIFIC REPORTING RULE(S) V	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
19) PROVIDE ANY SPECIFIC MONITORING RULE(S)	) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of
		the control device and sand handling process shall be
		performed to ensure that the system is operting properly.
20) PROVIDE ANY SPECIFIC TESTING RULES AND	OR PROCEDURES WHICH ARE APPLICABLE TO THIS E	EMISSION LINIT *
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
РМ	IAC 201.282	Emissions testing within 90 days of IEPA written request
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

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COMPLIANCE INFORMATION					
21) IS THE CONTROL SYSTE REQUIREMENTS?	EM IN COMPLIANCE WITH A	ALL APPLICABLE		O NO	
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.					
22) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	O BE, OR WAS PREVIOUS	SLY, DEMONSTRATED:		
PM10 emissions are ca	lculated based upon th	e following methodolo	gy:		
PM10 = flow rate of bag	ghouse (dscfm) x grain	loading (gr/dscf) x 60	min/hr		
The guaranteed emission factor for the baghouse is 0.002 gr/dscf. The flow rate of the unit is 40,000 sfcm.					
23) EXPLANATION OF HOW	ONGOING COMPLIANCE V	/ILL BE DEMONSTRATED	•		
Ongoing compliance will be demonstrated as described with #22 above. Additionally, ongoing compliance will also include periodic inspection and maintenance of the equipment.					
TESTING, MONITORING, RECORDKEEPING AND REPORTING					
24a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):					
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUR	REMENT FRE	QUENCY	
Pressure drop	psi	manual reading	daily		
air flow rate	cfm	manual reading	daily		
sand throughput	tons/mo; tons/yr	Citect	monthly	; annually	
PM10 emissions	tons/mo; tons/yr	calculation	monthly	; annually	

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RECORDED PARAME	TER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF ONTACT FOR REVIEW OF RECORI	PERSON RESPONSIBLE FOR		
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON		
Pressure drop	manual reading	Env. Coordinator	Plant Manager		
Air flow rate	manual reading	Env. Coordinator	Plant Manager		
Sand throughput	Automated system	Env. Coordinator	Plant Manager		
PM10 emissions	Automated system	Env. Coordinator	Plant Manager		
		*			
c) IS COMPLIANCE OF TH REVIEW OF THE RECO IF NO, EXPLAIN:	E CONTROL EQUIPMENT RE RDS?	ADILY DEMONSTRATED BY	⊠ yes □ no		
d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND/OR SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:					
25a) DESCRIBE ANY MONI COMPLIANCE:	TORS OR MONITORING ACT	IVITIES USED TO DETERMINE FEE	ES, RULE APPLICABILITY OR		
A continuous monitorir and pressure drop in the		d, maintained, and operated fo	or monitoring air flow rate		
b) WHAT OPERATING PAR	RAMETER(S) IS(ARE) BEING I	MONITORED (E.G., COMBUSTION	CHAMBER TEMPERATURE)?		
			on men in the control of the control		
Pressure drop and air flow rate.					
c) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., EXIT OF COMBUSTION CHAMBER):					
At the baghouse.					
<u> </u>					

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25d) IS EACH MONITOR EQUIPPED WIT	TH A RECORDING DEVICE?			Оио		
II NO, LIST ALL MONTORS WITH	IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:					
e) IS EACH MONITOR REVIEWED FOR	ACCURACY ON AT LEAST A Q	UARTERLY		O NO		
BASIS?			C ILS	<u> </u>		
IF NO, EXPLAIN						
				į		
f) IS EACH MONITOR OPERATED AT A OPERATION?	ALL TIMES THE CONTROL EQUI	PMENTISIN	YES	Ŭ NO		
IF NO, EXPLAIN:						
26) PROVIDE INFORMATION ON THE M	OST RECENT TESTS, IF ANY, IF	WHICH TH	E RESULTS ARE USED	FOR		
PURPOSES OF THE DETERMINATION DATE, TEST METHOD USED, TESTI						
SUMMARY OF RESULTS. IF ADDIT						
		OPERATING	G			
TEST DATE TEST METHOD	TESTING COMPANY	CONDITION		RESULTS		
	· · · · · · · · · · · · · · · · · · ·	·				
27) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUENCY OF REPORT						
SUBMITTALS TO THE AGENCY:						
REPORTING REQUIREMENTS	TITLE OF REPORT		FREQUENCY			
Notification of Deviation	Excess emissions, mon	itring	As required			
	equip downtime, and mi					
	equip downtime, and mi	180.				
Annual Emissions Report Illinois AER Annual						
CAPTURE AND CONTROL						
28) DESCRIBE THE CAPTURE SYSTEM USED TO CONTAIN, COLLECT AND TRANSPORT EMISSIONS TO THE CONTROL EQUIPMENT. INCLUDE ALL HOODS, DUCTS, FANS, ETC. ALSO INCLUDE THE METHOD OF CAPTURE						
USED AT EACH EMISSION POINT.						
Ductwork and blower.						

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29)	ARE FEATURES OF THE CAPTU	JRE SYSTE	M ACCURATEL	Y DEPICTED	IN THE FLOW	O YES	ОиО
	DIAGRAM CONTAINED IN THIS	APPLICATION	N?			U YES	O NO
	IF NO, A SKETCH SHOWING TF ATTACHED AND LABELED AS E			TÜRE SYST	EM SHOULD BE		
	PROVIDE THE ACTUAL (MINIMU DESTRUCTION/REMOVAL EFFI COMBINATION OF THE CAPTUI TO BE CONTROLLED. ATTACH WHICH THESE EFFICIENCIES V	CIENCY, AN RE SYSTEM I THE CALC	ID THE OVERA I AND CONTRO ULATIONS, TO	LL REDUCTI L EQUIPMEN THE EXTEN	ON EFFICIENCY NT FOR EACH RI T THEY ARE AIR	PROVIDED B' EGULATED AIF	Y THE R POLLUTANT
a)	CONTROL PERFORMANCE:						
	REGULATED		RE SYSTEM		OL EQUIPMENT		REDUCTION
	AIR POLLUTANT	(MIN)	(TYP)	(MIN)	CIENCY (%) (TYP)	(MIN)	ENCY (%) (TYP)
li.	PM/PM10	100	100	99	99	99	99
n.							
m							
						1	
lv.	EXPLAIN ANY OTHER REQUIRE COOLANT TEMPERATURE, ETC.		CONTROL EQUIP	PMENT PERFO	RMANCE SUCH AS	OUTLET CONC	ENTRATION,
Ou	tlet concentration will be no	more tha	n 0.002 grain	s per dscf	exhaust.		
b)	METHOD USED TO DETERMIN	E EACH OF	THE ABOVE E	FFICIENCIES	(E.G., STACK T	EST. MATERIA	AL BALANCE.
,	MANUFACTURER'S GUARANT						
	EFFIC	DIENCY DETE	RMINATION MET	HOD			ATE LAST FESTED
lſ	CAPTURE: Engineering estim	atae				T NA	
	CONTROL: Manufacturer's gu	aruntee				NA NA	,
-	OVERALL: Based on estimate		and manufa	cturer's au	aruntee contro	ol INA	
L							
c)	REQUIRED PERFORMANCE:						
		CAPTURE SYSTEM FICIENCY (%)	CONTE EQUIPM EFFICIEN	ENT	OVERALL REDUCTION EFFICIENCY (%)	APPLICA	BLE RULE
1							
liii							
-							
iv	EXPLAIN ANY OTHER REQUIRE		CONTROL EQUIP	PMENT PERFO	RMANCE SUCH AS	OUTLET CONC	ENTRATION,
Out	COOLANT TEMPERATURE, ETC. det concentration will be no		n 0.002 grain	s per dscf	exhaust.		
			•	-			
E .							

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					(31)1	EMISSION	INFORMATION				*** <u>**</u>		
		<sup>1</sup> ACTUAL EMISSION RATE					ALLOWABLE BY RULE EMISSION RATE				<sup>2</sup> PERMITTED EMISSION RATE		
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR: (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE (UNI	TS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)	
CARBON	MAXIMUM:						(	)					
MONOXIDE (CO)	TYPICAL:						(	)					
LEAD	MAXIMUM:						.(	)	***				
	TYPICAL:						(	)					
NITROGEN	MAXIMUM:						(	)					
OXIDES (NOx)	TYPICAL:							)					
PARTICULATE	MAXIMUM:						(	)					
MATTER (PART)	TYPICAL:						(	)					
PARTICULATE MATTER <= 10	MAXIMUM:	0.69	3.0	.002 gr/dsf		5	(	)			0.69	3.0	
MICROMETERS (PM10)	TYPICAL:	0.69	3.0	.002 gr/dsf		5	(	)	:				
SULFUR	MAXIMUM:							)					
DIOXIDE (SO2)	TYPICAL:						(	)					
VOLATILE ORGANIC	MAXIMUM:			:				)					
MATERIAL (VOM)	TYPICAL:		===					)					
OTHER, SPECIFY:	MAXIMUM:							)					
	TYPICAL:							)					
EXAMPLE:	MAXIMUM:	5.00	21.9	0.3 GR/DSCF		1	6.0 (LBS/HF	₹)	212.321	26.28	5.5 LBS/HR	22	
PARTICULATE MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCF		4	5.5 (LBS/HF	₹)	212.321	19.80			

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-5.

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<sup>1</sup> PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).
2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)
4 DAY DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS) <sup>5</sup>RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	(32) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION							
HAP INFORM	MATION		<sup>1</sup> ACTUAL E	MISSION RATE			ALLOWABLE BY RUI	E
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM:						
		TYPICAL;		<u> </u>				
		MAXIMUM:						
		TYPICAL						
		MAXIMUM:						
		TYPICAL						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:	***************************************					
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:	a					
		TYPICAL:						
		MAXIMUM:						
-		TYPICAL:						
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% by wt control device	CFR 61
Benzene	71432	TYPICAL:	8.0	0.8		2	leak-tight trucks	61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-6.

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<sup>&</sup>lt;sup>1</sup>PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).
<sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

<sup>&</sup>lt;sup>3</sup>PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

<sup>&</sup>lt;sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).
<sup>5</sup>RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

33) DESCRIPTION OF EXHAUST POIN	IT (STACK, VENT, RO	NT INFORMATIO	ON DORS, ETC.). IF THE EXHAUST POINT		
DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.					
Stack 34) DISTANCE TO NEAREST PLANT B	OUNDARY EDOM EV	WALLET DOINT DISC	HARGE (ET)		
34) DISTANCE TO NEAREST PLANTE	TBD	TAUST POINT DISC	MARGE (F1).		
35) DISCHARGE HEIGHT ABOVE GRA	DE (FT):				
	TBD				
36) GOOD ENGINEERING PRACTICE	(GEP) HEIGHT, IF KN TBD	OWN (FT):			
37) DIAMETER OF EXHAUST POINT ( 1.128 TIMES THE SQUARE ROOT	T): NOTE: FOR A N OF THE AREA.	ON CIRCULAR EXH	AUST POINT, THE DIAMETER IS		
38) EXIT GAS FLOW RATE	a) MAXIMUM (AC 40	FM): ),000	b) TYPICAL (ACFM):		
39) EXIT GAS TEMPERATURE	a) MAXIMUM (°F)	2	b) TYPICAL (°F):		
40) DIRECTION OF EXHAUST (VERTIC	DAL, LATERAL, DOW	NWARD): Vertica	al		
41) LIST ALL EMISSION UNITS AND C	ONTROL DEVICES SI	ERVED BY THIS EX	HAUST POINT:		
NAME		FL	OW DIAGRAM DESIGNATION		
a)		RD3300			
b)		BC3300			
c)		VS3300			
d)		BC3310			
e)		EL3300			
f)		SH3300			
g)					
42) WHAT PERCENTAGE OF THE CO EXHAUST POINT (%)?	NTROL EQUIPMENT I		ING DUCTED TO THIS		
43) IF THE PERCENTAGE OF THE CO			DUCTED TO THE EXHAUST POINT IS		
	43) IF THE PERCENTAGE OF THE CONTROL EQUIPMENT EMISSIONS BEING DUCTED TO THE EXHAUST POINT IS NOT 100%, THEN EXPLAIN WHERE THE REMAINING EMISSIONS ARE BEING EXHAUSTED TO:				
THE FOLLOWING INFORMATION NEED ON	Y RE SUPPLIED IS DEAL	DILY AVAII ARI E			
44a) LATITUDE:	- JE SOFFLIED IF REAL	b) LONGITUDE;			
45) UTM ZONE:	b) UTM VERTICA	L (KM):	c) UTM HORIZONTAL (KM):		
	<u>:1:</u>				

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1) SOURCE NAME:

#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE	******
Revision #:	
Date: / /	
Page of	
Source Designation:	
DC6300	i.

### AIR POLLUTION CONTROL EQUIPMENT DATA AND INFORMATION

Wedron Silica Company

FOR AGENCY USE ONLY	
ID NUMBER:	
CONTROL EQUIPMENT #:	
**************************************	
DATE:	

THIS FORM MUST BE COMPLETED FOR EACH AIR POLLUTION CONTROL EQUIPMENT. COMPLETE AND PROVIDE THIS FORM IN ADDITION TO THE APPLICABLE ADDENDUM FORM 260-A THROUGH 260-K. A SEPARATE FORM MUST BE COMPLETED FOR EACH MODE OF OPERATION OF AIR POLLUTION CONTROL EQUIPMENT FOR WHICH A PERMIT IS BEING SOUGHT.

SOURCE INFORMATION

2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB				
GENERAL INFORMATION					
4) NAME OF AIR POLLUTION CONTROL EQUIPMENT AND/O					
Baghouse DC6300					
5) FLOW DIAGRAM DESIGNATION OF CONTROL EQUIPMEN	IT AND/OR CONTROL SYSTEM:				
DC6300	A				
6) MANUFACTURER OF CONTROL EQUIPMENT (IF KNOWN)  Donaldson Torit	):				
7) MODEL NUMBER (IF KNOWN): Model 458RFWH10	8) SERIAL NUMBER (IF KNOWN): TBD				
9) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EQUIPMENT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR): 12/11				
	b) OPERATION (MONTH/YEAR): 04/12				
	c) LATEST MODIFICATION (MONTH/YEAR):				
10) BRIEFLY DESCRIBE MODIFICATION (IF APPLICABLE):					
Installation of new baghouse deignated DC6300. The unit will control emissions of particulate matter from various screens, conveyors, elevators, and silos.					
	1				

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE

	IPMENT DUCTING EMISSIONS TO THIS CONTROL
EQUIPMENT: NAME	DESIGNATION OR CODE NUMBER
Multiple EUs - see process flow diagram	Multiple EUs - see process flow diagram
Na. 1	
12) DOES THE CONTROL EQUIPMENT HAVE MORE THAN O	NE MODE OF OPERATION? YES NO
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVER A SEPARATE AIR POLLUTION CONTROL EQUIPMENT FO COMPLETED FOR EACH MODE):	RED BY THIS FORM (NOTE:
13) IDENTIFY ALL ATTACHMENTS TO THIS FORM RELATED	TO THIS AIR POLLUTION CONTROL FOUIPMENT(F.G.
TECHNICAL DRAWINGS):	TO THIS THAT SEED HOLD TO THE SEED HIS TO THE SEED,
NA	
ODEDATINO	COUEDINE
OPERATING  14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME  MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
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14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE FEEDING EMISSION UNIT(S) WHEN THE CONTROL
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE FEEDING EMISSION UNIT(S) WHEN THE CONTROL
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL.	OTHER TIMES THAT THE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE  FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE  FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	OTHER TIMES THAT THE

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	APPLICABLE RUL	ES
16) PROVIDE ANY SPECIFIC EMISSION STANDARD(S OVERALL & 90% CONTROL DEVICE EFF.):	3) AND LIMITATION(S) SET BY RULE(S) WHICH ARE	E APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.207(b)(1), 81%
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
PM	IAC 212.123	less than or equal to 30% opacity
PM/PM10	IAC 212.321	Emission limits based on process throughput
17) PROVIDE ANY SPECIFIC RECORDKEEPING RULE REGULATED AIR POLLUTANT(S)	E(S) WHICH ARE APPLICABLE TO THIS EMISSION I RECORDKEEPING RULE(S)	UNIT:  REQUIREMENT(S)
РМ/РМ10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
18) PROVIDE ANY SPECIFIC REPORTING RULE(S) W	/HICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
19) PROVIDE ANY SPECIFIC MONITORING RULE(S) ( REGULATED AIR POLLUTANT(S)	WHICH ARE APPLICABLE TO THIS EMISSION UNIT MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of
		the control device and sand handling process shall be
		performed to ensure that the system is operting properly.
20) PROVIDE ANY SPECIFIC TESTING RULES AND/O	OR PROCEDURES WHICH ARE APPLICABLE TO TH	IS EMISSION UNIT
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
PM	IAC 201.282	Emissions testing within 90 days of IEPA written request
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

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******	COMPLIAN	CE INCODMATION		
21) IS THE CONTROL SYSTE		CE INFORMATION		
REQUIREMENTS?	LIVE IN COMPLIANCE WITH A	LL AFFLIUADLE	✓ YES	S U NO
	CAAPP "COMPLIANCE PLAN UNITS" MUST BE COMPLETI			
22) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOU	JSLY, DEMONSTRA	TED:
PM10 emissions are ca	alculated based upon the	e following methodo	logy:	
PM10 = flow rate of bag	ghouse (dscfm) x grain l	oading (gr/dscf) x 6	0 min/hr	
The guaranteed emissi sfcm.	on factor for the baghou	se is 0.002 gr/dscf.	The flow rate of	the unit is 35,000
23) EXPLANATION OF HOW	ONGOING COMPLIANCE W	ILL BE DEMONSTRATE	<u>:D:</u>	
•	ill be demonstrated as d			v ongoing
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
compliance will also inc	clude periodic inspection	and maintenance o	of the equipment.	
TEST	ING, MONITORING, RE	ECORDKEEPING A	ND REPORTING	
<b>TEST</b> 24a) LIST THE PARAMETER DETERMINE FEES, RUI	ING, MONITORING, RE	E <b>CORDKEEPING A</b> ISSIONS FOR WHICH F PLIANCE. INCLUDE TH	<b>ND REPORTING</b> RECORDS ARE BEIN IE UNIT OF MEASUF	IG MAINTAINED TO REMENT, THE
TEST  24a) LIST THE PARAMETER:  DETERMINE FEES, RUI  METHOD OF MEASURE	TING, MONITORING, RE S THAT RELATE TO AIR EM LE APPLICABILITY OR COME EMENT, AND THE FREQUEN	E <b>CORDKEEPING A</b> ISSIONS FOR WHICH F PLIANCE. INCLUDE TH CY OF SUCH RECORD	<b>ND REPORTING</b> RECORDS ARE BEIN IE UNIT OF MEASUF IS (E.G., HOURLY, D	IG MAINTAINED TO REMENT, THE AILY, WEEKLY):
<b>TEST</b> 24a) LIST THE PARAMETER DETERMINE FEES, RUI	<b>TING, MONITORING, RE</b> S THAT RELATE TO AIR EM LE APPLICABILITY OR COMI	E <b>CORDKEEPING A</b> ISSIONS FOR WHICH F PLIANCE. INCLUDE TH	ND REPORTING RECORDS ARE BEIN IE UNIT OF MEASUF IS (E.G., HOURLY, D	IG MAINTAINED TO REMENT, THE AILY, WEEKLY): FREQUENCY
TEST  24a) LIST THE PARAMETER: DETERMINE FEES, RUI METHOD OF MEASURE	TING, MONITORING, RE S THAT RELATE TO AIR EM LE APPLICABILITY OR COMI MENT, AND THE FREQUEN UNIT OF MEASUREMENT	ECORDKEEPING A ISSIONS FOR WHICH F PLIANCE. INCLUDE TH CY OF SUCH RECORD	ND REPORTING RECORDS ARE BEIN IE UNIT OF MEASUF IS (E.G., HOURLY, D.	IG MAINTAINED TO REMENT, THE AILY, WEEKLY): FREQUENCY  Y
TEST  24a) LIST THE PARAMETER.  DETERMINE FEES, RUI  METHOD OF MEASURE  PARAMETER  Pressure drop	TING, MONITORING, RE S THAT RELATE TO AIR EM LE APPLICABILITY OR COME EMENT, AND THE FREQUEN  UNIT OF MEASUREMENT  psi	ECORDKEEPING A ISSIONS FOR WHICH F PLIANCE. INCLUDE TH CY OF SUCH RECORD METHOD OF MEASI Manual reading	ND REPORTING RECORDS ARE BEIN E UNIT OF MEASUF S (E.G., HOURLY, D.) UREMENT	IG MAINTAINED TO REMENT, THE AILY, WEEKLY): FREQUENCY  Y

RECORDED PARAME	TER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M D OF RECORDKEEPING, TITLE OF ONTACT FOR REVIEW OF RECORI	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
Pressure drop	manual reading	Env. Coordinator	Plant Manager
Air flow rate	manual reading	Env. Coordinator	Plant Manager
Sand throughput	Automated system	Env. Coordinator	Plant Manager
PM10 emissions	Automated system	Env. Coordinator	Plant Manager
		· · · · · · · · · · · · · · · · · · ·	
c) IS COMPLIANCE OF THE REVIEW OF THE RECORD		EADILY DEMONSTRATED BY	⊠ YES □ NO
IF NO, EXPLAIN:			
ALADE ALL DECODOS DE	ADIL V AVAILABLE FOR INCO	PECTION, COPYING AND/OR	
	ENCY UPON REQUEST?	rection, conting and/or	Ø YES □ NO
IF NO, EXPLAIN			
ii NO, EXCENIN			
25a) DESCRIBE ANY MONIT COMPLIANCE:	ORS OR MONITORING ACT	TIVITIES USED TO DETERMINE FE	ES, RULE APPLICABILITY OR
A continuous monitorin	a system will be installe	d, maintained, and operated fo	or monitoring air flow rate
and pressure drop in th	• •	a, mamamoa, ana oporacoa i	or morning an now rate
p			
NIMHAT OPERATING DAR	AMETED/S) IS/ADE) BEING	MONITORED (E.G., COMBUSTION	CHAMBER TEMPERATURES?
b) WIAT OF EIGHTING FAR	AME (EN(S) IS(ANE) BEING	MONTORED (E.S., COMDOSTION	OHAMBER TEMI ERRITORE):
Pressure drop and air t	flow rate.		
·			
c) DESCRIBE THE LOCAT	ION OF EACH MONITOR (E.	G., EXIT OF COMBUSTION CHAMB	ER);
•	·		
At the baghouse.			

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25d) IS EACH MONITOR EQUIPPED WIT	TH A RECORDING DEVICE?		O NO
IF NO, LIST ALL MÖNITORS WITHO	OUT A RECORDING DEVICE:	<b>43</b> 163	O 110
NO EACH MONITOR REMEMER FOR	ACQUIDACY ON AT LEAST A CHARTER		
BASIS?	ACCURACY ON AT LEAST A QUARTER	LY YES	U NO
IF NO, EXPLAIN:			
A 10 FACULMONITOR OPERATED AT	ALL TIMES THE CONTROL FOLLIPMENT	ic in	
OPERATION?	ALL TIMES THE CONTROL EQUIPMENT	IS IN YES	U NO
IF NO, EXPLAIN:			
26) DROVIDE INFORMATION ON THE M	IOST RECENT TESTS, IF ANY, IN WHICH	THE DESILTS ADELISED	\ E∧B
PURPOSES OF THE DETERMINATION	ON OF FEES, RULE APPLICABILITY OR	COMPLIANCE. INCLUDE T	HE TEST
	ING COMPANY, OPERATING CONDITION IONAL SPACE IS NEEDED, ATTACH AND		
	OPER		
TEST DATE TEST METHOD	TESTING COMPANY CONDI		RESULTS
			· · · · · · · · · · · · · · · · · · ·
67) DECODIDE AL E DEDODTING DECUL	REMENTS AND PROVIDE THE TITLE AN	ID EDECLIENCY OF BEDOL	
SUBMITTALS TO THE AGENCY:	REMENTS AND PROVIDE THE TITLE AN	ID PREQUENCY OF REPOR	<b>X1</b>
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY	
Notification of Deviation	Excess emissions, monitring	As required	
	equip downtime, and misc.		
Annual Emissions Report	Illinois AER	Annual	
	CAPTURE AND CONTROL		***
	USED TO CONTAIN, COLLECT AND TR		
CONTROL EQUIPMENT. INCLUDE A	ALL HOODS, DUCTS, FANS, ETC. ALSO (IF ADDITIONAL SPACE IS NEEDED, AT	INCLUDE THE METHOD O	F CAPTURE BIT 260-2):
Ductwork and blower.	(		
		·	

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	ARE FEATURES OF THE CA			Y DEPICTED	IN THE FLOW	O YES	O NO
	DIAGRAM CONTAINED IN T IF NO, A SKETCH SHOWING			TUDE EVET	EM CHOILL D DE	· · · · · ·	
	ATTACHED AND LABELED			FIURE STST	EW STOOLD BE		
Í	PROVIDE THE ACTUAL (MINDESTRUCTION/REMOVAL E COMBINATION OF THE CAF TO BE CONTROLLED. ATT WHICH THESE EFFICIENCII	EFFICIENCY, AN PTURE SYSTEM ACH THE CALC	ID THÉ OVERA I AND CONTRO ULATIONS, TO	LL REDUCTION LEQUIPMENTHE EXTENT	ON EFFICIENCY IT FOR EACH RE I THEY ARE AIR	PROVIDED B GULATED AI	Y THE R POLLUTANT
a)	CONTROL PERFORMANCE	<u>:</u>					
	REGULATED AIR		RE SYSTEM CIENCY (%)		OL EQUIPMENT CIENCY (%)		REDUCTION ENCY (%)
to :	POLLUTANT	(MIN)	(TYP)	(MIN)	(TYP)	(MIN)	(TYP)
i:	PM/PM10	100	100	99	99	99	99
iii		<u> </u>					
181							
iv.	EXPLAIN ANY OTHER REQ COOLANT TEMPERATURE, I		CONTROL EQUI	PMENT PERFO	RMANCE SUCH AS	OUTLET CON	CENTRATION,
Ou	tlet concentration will be		n 0.002 grair	ns per dscf	exhaust.		
h\	METHOD USED TO DETER	MINE EACH OF	THE ABOVE E	FEICIENCIES	KE G STACK TI	EST MATERI	AL BALANCE
,	MANUFACTURER'S GUAR						The ner that II The has
	E	FFICIENCY DETE	RMINATION MET	HOD			ATE LAST TESTED
	CAPTURE: Engineering es	timatae				NA	
	CONTROL: Manufacturer's	guaruntee				NA	
	OVERALL: Based on estin	nated capture	and manufa	icturer's gu	aruntee contro	ı NA	
•		·					
c)	REQUIRED PERFORMANCI	<u> </u>					
	REGULATED AIR POLLUTANT	CAPTURE SYSTEM EFFICIENCY (%)	CONTI EQUIPN EFFICIEN	MENT	OVERALL REDUCTION EFFICIENCY (%)	APPLICA	BLE RULE
i			1			ſ	
ā							
ili		**************************************				<u>:</u>	
L.	CVDI AINI AND CTUES CO.	LUDED LIMITO CO	CONTROL FOR	DMENT DEDEC	DMANCE SUCH AS	OUTLET COM	PENTRATION
iv	EXPLAIN ANY OTHER REQ COOLANT TEMPERATURE, E	ETC.:				SOUTE CON	ZENTRATION,
Ou	tlet concentration will be	no more tha	n u.uu2 grair	is per dscf	exnaust.		

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	//4				(31)	EMISSION	INFORMATION				
		,	<sup>1</sup> ACTUAI	L EMISSION	RATE		ALLOWABLE BY	RULE EMISS	ON RATE	PERMITTED EMIS	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE (UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:						( )				
MONOXIDE (CO)	TYPICAL:									14	
LEAD	MAXIMUM:						()				
	TYPICAL:						e( ")			Allianin seemaan seema	
NITROGEN	MAXIMUM:						()				
OXIDES (NOx)	TYPICAL:						( )				
PARTICULATE	:MAXIMUM:	:					( )				
MATTER (PART)	TYPICAL:						( )				
PARTICULATE MATTER <= 10	MAXIMUM:	0.60	2.3	.002 gr/dsf		5	( , ,		:	0.60 lb/hr	2.3
MICROMETERS (PM10)	TYPICAL:	0.60	2.3	.002 gr/dsf		5	()				
SULFUR	MAXIMUM:						(				
DIOXIDE (SO2)	TYPICAL:						( )				
VOLATILE ORGANIC	MAXIMUM;						:				
MATERIAL (VOM)	TYPICAL:						( )				
OTHER, SPECIFY:	MAXIMUM:						( )				
	TYPICAL:						( )				
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	21.9	0.3 GR/DSCF		1	6.0 (LBS/HR)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCF		4	5.5 (LBS/HR)	212.321	19.80		

IMPORTANT: ATYACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-5.

<sup>5</sup>RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

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PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

	(32) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION							
HAP INFORM	MATION		<sup>1</sup> ACTUAL EMISSION RATE				ALLOWABLE BY RU	ILE
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		МАХІМИМ:					:	
		TYPICAL:					:	weenigeness
		MAXIMUM:						
		TYPICAL:						-
	<u> </u>	MAXIMUM:						
		TYPICAL:						
		MAXIMUM:			<u> </u>			
	į.	TYPICAL:						
		MAXIMUM;	·····					
		TYPICAL:	<u>,,,</u>					
		MAXIMUM:						
		TYPICAL:						1 1 1 1 1 1 1
		MAXIMUM:	· · · · · · · · · · · · · · · · · · ·					
	4 · · · · · · · · · · · · · · · · · · ·	TYPICAL:						
	E	MAXIMUM:						
		TYPICAL:						
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% by wt control device	CFR 61
Benzene	71432	TYPICAL:	8.0	0.8		2	leak-tight trucks	61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-6.

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<sup>1</sup> PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).
2 CAS - CHEMICAL ABSTRACT SERVICE NUMBER.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

<sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS). <sup>5</sup>RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	EXHAUST POINT	INFORMATION				
33) DESCRIPTION OF EXHAUST POINT (	(STACK, VENT, ROOF	F MONITOR, INDOC				
Stack	DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.  Stack					
34) DISTANCE TO NEAREST PLANT BOU	JNDARY FROM EXHA	AUST POINT DISCH	ARGE (FT):			
	TBD		` .			
35) DISCHARGE HEIGHT ABOVE GRADE						
	TBD					
36) GOOD ENGINEERING PRACTICE (GI	TBD					
37) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF	NOTE: FOR A NON THE AREA.	I CIRCULAR EXHAL	JST POINT, THE DIAMETER IS			
38) EXIT GAS FLOW RATE	a) MAXIMUM (ACFN	1	b) TYPICAL (ACFM):			
	35,0	)00				
39) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F);			
40) DIRECTION OF EXHAUST (VERTICA	L. LATERAL, DOWNY	VARD):				
		Vertical				
41) LIST ALL EMISSION UNITS AND COM	TROL DEVICES SER	(VED BY THIS EXH	AUST POINT:			
NAME		FLO	OW DIAGRAM DESIGNATION			
a)		See Technical Support Document Table 1				
b)	:					
<b>c)</b> .						
d)						
e)						
f)						
9)						
42) WHAT PERCENTAGE OF THE CONT EXHAUST POINT (%)?			1G DUCTED TO THIS			
	100%	6				
43) IF THE PERCENTAGE OF THE CONT NOT 100%, THEN EXPLAIN WHERE	ROL EQUIPMENT EN	VISSIONS BEING D	UCTED TO THE EXHAUST POINT IS			
NOT 100%, THEN EXPLAIN WHERE	THE KEWMINING EMI	19910IA9 VIVE DEIIA	GEATIAGGILD TO.			
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READ!	I Y AVAII ABLE				
44a) LATITUDE:	Jan 1991 Calling Co. 1995	b) LONGITUDE:				
	<u></u>					
45) UTM ZONE:	b) UTM VERTICAL (	(KM);	c) UTM HORIZONTAL (KM):			
	1					

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1) SOURCE NAME:

#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

	PPLICANT'S USE
Revision #:	
Date:	
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Source Des	ignation:
	DC6400

## AIR POLLUTION CONTROL EQUIPMENT DATA AND INFORMATION

FOR AGENCY U	SE ONL	Y		
ID NUMBER:			/	
CONTROL EQUIPMENT #:				
DATE:				

THIS FORM MUST BE COMPLETED FOR EACH AIR POLLUTION CONTROL EQUIPMENT. COMPLETE AND PROVIDE THIS FORM IN ADDITION TO THE APPLICABLE ADDENDUM FORM 260-A THROUGH 260-K. A SEPARATE FORM MUST BE COMPLETED FOR EACH MODE OF OPERATION OF AIR POLLUTION CONTROL EQUIPMENT FOR WHICH A PERMIT IS BEING SOUGHT.

**SOURCE INFORMATION** 

Wedron Silica Company								
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN): 099804AAB							
GENERAL INFORMATION								
4) NAME OF AIR POLLUTION CONTROL EQUIPMENT AND/O	R CONTROL SYSTEM:							
Baghouse DC6400								
5) FLOW DIAGRAM DESIGNATION OF CONTROL EQUIPMEN DC6400	IT AND/OR CONTROL SYSTEM:							
6) MANUFACTURER OF CONTROL EQUIPMENT (IF KNOWN Donaldson Torit	):							
7) MODEL NUMBER (IF KNOWN): Model 458RFWH10	8) SERIAL NUMBER (IF KNOWN): TBD							
9) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EQUIPMENT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR): 12/11							
	b) OPERATION (MONTH/YEAR): 04/12							
	c) LATEST MODIFICATION (MONTH/YEAR):							
10) BRIEFLY DESCRIBE MODIFICATION (IF APPLICABLE):								
Installation of new baghouse deignated DC6400. matter from various conveyors, elevators, and silo	·							

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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11) LIST ALL EMISSION UNITS AND OTHER CONTROL EQ	JIPMENT DUCTING EMISSIONS TO THIS CONTROL
EQUIPMENT: NAME	DESIGNATION OR CODE NUMBER
4 Belt conveyors,	BC6410; BC6420; BC6430; BC6440
2 bucket elevtors, and	BE6410; BE6420
2 silos.	TA6400; TA6410
12) DOES THE CONTROL EQUIPMENT HAVE MORE THAN C	ONE MODE OF OPERATION? (X) NO
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVE A SEPARATE AIR POLLUTION CONTROL EQUIPMENT F COMPLETED FOR EACH MODE):	RED BY THIS FORM (NOTE:
13) IDENTIFY ALL ATTACHMENTS TO THIS FORM RELATED TECHNICAL DRAWINGS):	TO THIS AIR POLLUTION CONTROL EQUIPMENT(E.G.,
	SCHEDULE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME	
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	NT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	ENT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE FEEDING EMISSION UNIT(S) WHEN THE CONTROL
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME MAINTENANCE AND/OR REPAIRS WHEN THE FEEDING IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALLE	ENT WILL NOT BE OPERATING DUE TO SCHEDULED EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE  FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE YES NO

APPLICABLE RULES								
16) PROVIDE ANY SPECIFIC EMISSION STANDARD	16) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.207(b)(1), 81% OVERALL & 90% CONTROL DEVICE EFF.):							
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)						
РМ	IAC 212.123	less than or equal to 30% opacity						
PM/PM10	IAC 212.321	Emission limits based on process throughput						
17) PROVIDE ANY SPECIFIC RECORDICEPING RI	JLE(S) WHICH ARE APPLICABLE TO THIS EMISSION U	INIT:						
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)						
PM/PM10	39.5(7)of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions						
19) BBOVIDE ANY SPECIEIC DEPORTING BUILE/S)	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:							
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)						
PM/PM10	IAC 201.302	Annual Emission Report						
19) PROVIDE ANY SPECIFIC MONITORING RULE(S	S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:							
REGULATED AIR POLLUTANT(S)	MONITORIÑG RULE(S)	REQUIREMENT(S)						
PM/PM10	39.5(7)of IL Env. Protection Act	Periodic monitoring, inspection, maintenance and repair of						
		the control device and sand handling process shall be						
		performed to ensure that the system is operting properly.						
20) PROVIDE ANY SPECIFIC TESTING RULES AND	OF PROCEDURES WHICH ARE APPLICABLE TO THIS	S EMISSION UNIT						
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)						
PM	IAC 201.282	Emissions testing within 90 days of IEPA written request						
PM/PM10	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification						

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COMPLIANCE	EINFORMATION							
21) IS THE CONTROL SYSTEM IN COMPLIANCE WITH ALL REQUIREMENTS?	APPLICABLE	⊗ yes						
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/S COMPLYING EMISSION UNITS" MUST BE COMPLETED								
22) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO B	E, OR WAS PREVIOUSLY, I	DEMONSTRATED;						
PM10 emissions are calculated based upon the following methodology:								
PM10 = flow rate of baghouse (dscfm) x grain loa	ading (gr/dscf) x 60 min/	hr						
The guaranteed emission factor for the baghouse sfcm.	e is 0.002 gr/dscf. The f	low rate of the unit is 10,000						
23) EXPLANATION OF HOW ONGOING COMPLIANCE WILI	BE DEMONSTRATED:							
Ongoing compliance will be demonstrated as descompliance will also include periodic inspection a		· · · · · · · · · · · · · · · · · · ·						
TESTING, MONITORING, REC 24a) LIST THE PARAMETERS THAT RELATE TO AIR EMISS								
DETERMINE FEES, RULE APPLICABILITY OR COMPL METHOD OF MEASUREMENT, AND THE FREQUENCY	IANCE. INCLUDE THE UNIT	FOF MEASUREMENT, THE						
PARAMETER UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	NT FREQUENCY						
Pressure drop psi	manual reading	daily						
air flow rate cfm	manual reading	daily						
sand throughput tons/mo; tons/yr	Citect	monthly; annually						
PM10 emissions tons/mo; tons/yr	calculation	monthly; annually						

RECORDED PARAME	TER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M O OF RECORDKEEPING, TITLE OF ONTACT FOR REVIEW OF RECORI	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDINE PING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
Pressure drop	manual reading	Env. Coordinator	Plant Manager
Air flow rate	manual reading	Env. Coordinator	Plant Manager
Sand throughput	Automated system	Env. Coordinator	Plant Manager
PM10 emissions	Automated system	Env. Coordinator	Plant Manager
c) IS COMPLIANCE OF TH REVIEW OF THE RECO		EADILY DEMONSTRATED BY	
IF NO, EXPLAIN:			
· ,			
	ADILY AVAILABLE FOR INSF ENCY UPON REQUEST?	PECTION, COPYING AND/OR	
	ENCY UPON REQUEST?		
IF NO, EXPLAIN:			
25a) DESCRIBE ANY MONIT COMPLIANCE:	FORS OR MONITORING ACT	TVITIES USED TO DETERMINE FEI	ES, RULE APPLICABILITY OR
		d, maintained, and operated for	or monitoring air flow rate
and pressure drop in th	ie bagnouse.		
b) WHAT OPERATING PAR	RAMETER(S) IS(ARE) BEING	MONITORED (E.G., COMBUSTION	CHAMBER TEMPERATURE)?
Pressure drop and air	flow rata		
Pressure grop and air	now rate.		
c) DESCRIBE THE LOCAT	TON OF EACH MONITOR (E.	G., EXIT OF COMBUSTION CHAME	BER):
At the baghouse.			
g			

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25d) IS EACH MONITOR EQUIPPED WI	TH A RECORDING DEVICE?		ОиО
IF NO, LIST ALL MONITORS WITHO	Summer I Land	<u> </u>	
e) IS EACH MONITOR REVIEWED FOR	R ACCURACY ON AT LEAST A QUARTER	LY X YES	
BASIS?		C JE2	U NO
IF NO, EXPLAIN:			
f) IS EACH MONITOR OPERATED AT A OPERATION?	ALL TIMES THE CONTROL EQUIPMENT	IS IN YES	O NO
IF NO, EXPLAIN:			
PURPOSES OF THE DETERMINATI	MOST RECENT TESTS, IF ANY, IN WHICH ON OF FEES, RULE APPLICABILITY OR	COMPLIANCE. INCLUDE T	HE TEST
DATE, TEST METHOD USED, TEST	ING COMPANY, OPERATING CONDITION TONAL SPACE IS NEEDED, ATTACH AND	NS EXISTING DURING THE	TEST AND A
GOMMANT OF NEGGETO, IL ADDIT	OPER.		
TEST DATE TEST METHOD	TESTING COMPANY CONDI		RESULTS
27) DESCRIBE ALL BEROPTING BEOLU	IREMENTS AND PROVIDE THE TITLE AN	ID ERECHENCY OF REPOR	<b>7</b>
SUBMITTALS TO THE AGENCY:	INCIDENTS AND FROMDE THE THEE AS	ID I NEGOLINOT OF NET OF	``
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY	
Notification of Deviation	Excess emissions, monitring	As required	
	equip downtime, and misc.		
Annual Emissions Report	Illinois AER	Annual	
```	:		
	CAPTURE AND CONTROL		
	I USED TO CONTAIN, COLLECT AND TR ALL HOODS, DUCTS, FANS, ETC. ALSO		
	(IF ADDITIONAL SPACE IS NEEDED, AT	TACH AND LABEL AS EXHI	BIT 260-2):
Ductwork and blower.			
			į

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IF NO, A SKETCH SHOWING THE FEATURES OF THE CAPTURE SYSTEM SHOULD BE ATTACHED AND LABELED AS EXHIBIT 260-3:									
30) PROVIDE THE ACTUAL (MINIMUM AND TYPICAL) CAPTURE SYSTEM EFFICIENCY, CONTROL EQUIPMENT DESTRUCTION/REMOVAL EFFICIENCY, AND THE OVERALL REDUCTION EFFICIENCY PROVIDED BY THE COMBINATION OF THE CAPTURE SYSTEM AND CONTROL EQUIPMENT FOR EACH REGULATED AIR POLLUTANT TO BE CONTROLLED. ATTACH THE CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH THESE EFFICIENCIES WERE BASED AND LABEL AS EXHIBIT 260-4:									
Ñ									
_									
Ÿ,									
CE,									
<b>√</b> ⊑,									
annum .									
N <sub>r</sub>									
J.									
<b>-</b>									

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					(31)	EMISSION	INFORMATION	-			
		<sup>1</sup> ACTUAL EMISSION RATE				ALLOWABLE BY RULE EMISSION RATE			<sup>2</sup> PERMITTED EMISSION RATE		
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE (UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON MONOXIDE (CO)	MAXIMUM:						( )(				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TYPICAL:						( )				
LEAD	MAXIMUM:									:	:
	TYPICAL;						( )				
NITROGEN	MAXIMUM:						()				:
OXIDES (NOx)	TYPICAL:						( )				
PARTICULATE	MAXIMUM:						7				
MATTER (PART)	TYPICAL:						9				
PARTICULATE MATTER <= 10	MAXIMUM;	0.17	0.75	.002 gr/dsf		5	()			0.17 lb/hr	0.75
MICROMETERS (PM10)	TYPICAL:	0.17	0.75	.002 gr/dsf		5	ì,		::	50 % S 40 H	
SULFUR	MAXIMUM:						( )				
DIOXIDE (SO2)	TYPICAL:						7				
VOLATILE ORGANIC	MAXIMUM:						( )				
MATERIAL (VOM)	TYPICAL:						( )				
OTHER, SPECIFY:	MAXIMUM:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			( )				
	TYPICAL:						( )				İ
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	21.9	0.3 GR/DSCF		1	6.0 (LBS/HR)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCF		4	5.5 (LBS/HR)	212.321	19.80		#

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-5.

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<sup>1</sup> PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).
2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)
4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)
5 RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(32)	HAZARDOUS	AIR POLLUTAN	IT EMISSION I	NFORMATION	V		
HAP INFORM	MATION		<sup>1</sup> ACTUAL EMISSION RATE				ALLOWABLE BY RULE		
NAME OF HAP	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE	
	# ************************************	MAXIMUM:						- 1	
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL							
		MAXIMUM;							
		TYPICAL:					# 12		
		MAXIMUM:							
		TYPIGAL:							
ooosuuanuuan eesitaa ka k	*	MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:	# 111 1. <b>#</b> 4////////////////////////////////////						
		MAXIMUM:					<u> </u>		
		TYPICAL:							
EXAMPLE:		MAXIMUM:	10.0	1.2		2	98% by wt control device	CFR 61	
Benzene	71432	TYPICAL:	8.0	0.8		2	leak-tight trucks	61.302(b),(d)	

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-6.

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<sup>1</sup> PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).

<sup>&</sup>lt;sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

<sup>3</sup>PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

<sup>4</sup>DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

<sup>5</sup>DETERMINATION METHOD: 1 STANDARD SPECIFIED RY MOST STRINGENT APPLICABLE RULE.

	EXHAUST POINT INFORMATION								
33) DESCRIPTION OF EXHAUST POINT	(STACK, VENT, ROO	F MONITOR, INDO							
DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.  Stack									
34) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):  TBD									
35) DISCHARGE HEIGHT ABOVE GRADI	35) DISCHARGE HEIGHT ABOVE GRADE (FT):								
	TBD								
36) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNOW	WN (FT):							
37) DIAMETER OF EXHAUST POINT (FT 1.128 TIMES THE SQUARE ROOT OF	): NOTE: FOR A NON F THE AREA.	N CIRCULAR EXHA	UST POINT, THE DIAMETER IS						
38) EXIT GAS FLOW RATE	a) MAXIMUM (ACFN 10,0		b) TYPICAL (ACFM):						
39) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):						
40) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWNV	vard): Vertical							
41) LIST ALL EMISSION UNITS AND COM	NTROL DEVICES SEF	RVED BY THIS EXH	AUST POINT;						
NAME		FLC	DW DIAGRAM DESIGNATION						
a)		BC6410							
b)		BE6410							
c)		TA6400							
d)		TA6410							
е)		BC6420							
f)		BE6420							
g)		BC6430, BC6440							
		: ]							
42) WHAT PERCENTAGE OF THE CONT EXHAUST POINT (%)?	ROL EQUIPMENT EN		NG DUCTED TO THIS						
43) IF THE PERCENTAGE OF THE CONT			DUCTED TO THE EXHAUST POINT IS						
NOT 100%, THEN EXPLAIN WHERE									
THE FOLLOWING INFORMATION NEED ONLY 44a) LATITUDE:	BE SUPPLIED IF READI	LY AVAILABLE.  b) LONGITUDE:							
Tray artiff or all		J, 201101100L.							
45) UTM ZONE:	b) UTM VERTICAL (KM):								

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#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR A	PPLICANT'S USE
Revision #	
Date:	
Page	of
Source De	•
<u> </u>	DC3300

## SUPPLEMENTAL FORM AIR POLLUTION CONTROL EQUIPMENT FILTER (260C)

FOR AGENCY USE ONLY	
ID NUMBER:	
CONTROL EQUIPMENT #:	
DATE:	

DATA AND INFORMATION			
1) FLOW DIAGRAM DESIGNATION OF FILTER:			
DC3300			
2) FILTER CONFIGURATION (CHECK ONE):  OPEN PRESSURE  OTHER, SPECIFY:	CLOSED PRESSURE	CLOSED SUCTION	
3) DESCRIBE FILTER MATERIAL:			
10.5 oz. Dur-Life Polyester			
4) FILTERING AREA (SQUARE FEET): 7,148	5) AIR TO CLOTH RATIO (FEET/MIN): 5.6:1		
6) CLEANING METHOD  O SHAKER  O REV  O OTHER, SPECIFY:	ERSE AIR PULSE AIR	O PULSE JET	
7) NORMAL RANGE OF PRESSURE DROP: 1 TO 6	(INCH H <sub>2</sub> 0)		
8a) INLET EMISSION STREAM PARAMETERS:			
	MAX	TYPICAL	
MOISTURE CONTENT (% BY VOLUME):	0.5	0.1	
PARTICULATE INLET LOADING (GRAINS/SCF): <5 .0 unknown			
b) MEAN PARTICLE DIAMETER (MICRONS):			
, , , , , , , , , , , , , , , , , , , ,			

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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OVER TED ODEDATING DADAMETED	^		
9) FILTER OPERATING PARAMETER	<b>S</b> .	DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)
INLET FLOW RATE (SCFM);		40,000	40,000
INLET GAS TEMPERATURE (DEC FAHRENHEIT):	BREES	70	70
EFFICIENCY (PM REDUCTION):		(%)	(%) 99
EFFICIENCY (PM10 REDUCTION	<b>):</b>	(%) 99	(%) 99
10) HOW IS FILTER MONITORED FOR INDICATIONS OF DETERIORATION (E.G., BROKEN BAGS)?	O CONTINUOUS OPACITY RI	PRESSURE DROP	ALARMS-AUDIBLE TO PROCESS OPERATOR
	VISUAL OF ACITE N	LADINOS, I NEGOLIAOT.	
	OTHER, SPECIFY:		
11) DESCRIBE ANY RECORDING DE	VICE AND EDECLIENCY O	ELOG ENTRIES	
11) DESCRIBE ANT RECORDING DE	VICE AND FREQUENCY O	LOG ENTINES.	
Magnahelic pressure drop mor basis.  12) DESCRIBE ANY FILTER SEEDING		t the baghouse and will	be read on a weekly
12) DESCRIBE ANY FILTER SEEDING	3 BEING PERFORMED:		
}			

APPLICATION PAGE \_\_\_\_

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#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

		37777
FOR AF	PLICAN	<u> l's use</u>
Revision #:	And the second second	
Date:	/	
Page	of	
Source Des		
***************************************	DC6300	)

# SUPPLEMENTAL FORM AIR POLLUTION CONTROL EQUIPMENT FILTER (260C)

FOR AGENCY USE ONLY	
ID NUMBER:	
CONTROL EQUIPMENT #:	
DATE	

DATA AND INFORMATION				
1) FLOW DIAGRAM DESIGNATION OF FILTER:				
DC6300				
2) FILTER CONFIGURATION (CHECK ONE): OPEN PRESSURE OTHER, SPECIFY:	(CHECK ONE): OPEN PRESSURE CLOSED PRESSURE CLOSED SUCTION			
3) DESCRIBE FILTER MATERIAL:				
10.5 oz. Dur-Life Polyester				
4) FILTERING AREA (SQUARE FEET): 5,958	5) AIR TO CLOTH RATIO (FEET/MIN): 5.8:1			
6) CLEANING METHOD  SHAKER  OTHER, SPECIFY:	ERSE AIR X PULSE AIR	O PULSE JET		
7) NORMAL RANGE OF PRESSURE DROP: 1 TO 6	(INCH H <sub>2</sub> 0)			
8a) INLET EMISSION STREAM PARAMETERS:				
	MAX	TYPICAL		
MOISTURE CONTENT (% BY VOLUME):	0.5	0.1		
PARTICULATE INLET LOADING (GRAINS/SCF);	<5.0	unknown		
b) MEAN PARTICLE DIAMETER (MICRONS):				

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE

9) FILTER OPERATING PARAMETER				
	<b>s</b> :	DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)	
INLET FLOW RATE (SCFM):		35,000	35,000	
INLET GAS TEMPERATURE (DEC FAHRENHEIT):	GREES	70	70	
EFFICIENCY (PM REDUCTION):		(%)	(%) 99	
EFFICIENCY (PM10 REDUCTION	<b>)</b> :	(%) 99	(%) 99	
10) HOW IS FILTER MONITORED FOR INDICATIONS OF DETERIORATION (E.G., BROKEN BAGS)?	CONTINUOUS OPACITY	PRESSURE DROP	ALARMS-AUDIBLE TO PROCESS OPERATOR	
	U VISUAL OPACITY R	EADINGS, FREQUENCY:		
	OTHER, SPECIFY:	- Annual Comment		
11) DESCRIBE ANY RECORDING DE	VICE AND EDECLIENCY O	ELOC ENTDIES:	¥.	
11) DESCRIBE AINT RECORDING DE	VICE AND FREQUENCY O	F LOG ENTRIEG.		
Magnahelic pressure drop monitors will be installed at the baghouse and will be read on a weekly basis.				
12) DESCRIBE ANY FILTER SEEDING	BEING FEIN CHAILD			



#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR A	PPLICANT'S USE
Revision #	÷ .
Date:	
Page	of
Source De	
	DC6400

SUPPLEMENTAL FORM
AIR POLLUTION CONTROL
<b>EQUIPMENT</b>
FILTER (260C)

FOR A	GENCY US	E ONLY	
ID NUMBER:			
CONTROL EQUIPMENT	· #:		
DATE:			

DATA AND INFORMATION				
1) FLOW DIAGRAM DESIGNATION OF FILTER:				
DC6400				
2) FILTER CONFIGURATION (CHECK ONE):  OPEN PRESSURE  OTHER, SPECIFY: Bag	CLOSED PRESSURE	CLOSED SUCTION		
3) DESCRIBE FILTER MATERIAL:				
10.5 oz. Dur-Life Polyester				
, , , , , , , , , , , , , , , , , , ,				
4) FILTERING AREA (SQUARE FEET): 1,889	AIR TO CLOTH RATIO (FEET/MIN): 5.2:1			
6) CLEANING METHOD  SHAKER  REVERS  OTHER, SPECIFY;	E AIR 🗵 PULSE AIR	O pulse jet		
7) NORMAL RANGE OF PRESSURE DROP: 1 TO 6	(INCH H <sub>2</sub> 0)			
8a) INLET EMISSION STREAM PARAMETERS:		,		
	MAX	TYPICAL		
MOISTURE CONTENT (% BY VOLUME);	0.5	0.1		
PARTICULATE INLET LOADING (GRAINS/SCF):	<5.0	unknown		
b) MEAN PARTICLE DIAMETER (MICRONS):				

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FOR APPLICANT'S USE

OVER TED ADEDATING CARAMETERS	<b>1</b>		1
9) FILTER OPERATING PARAMETERS	S:	DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)
INLET FLOW RATE (SCFM):		10,000	10,000
INLET GAS TEMPERATURE (DEGREES FAHRENHEIT):		70	70
EFFICIENCY (PM REDUCTION):		(%) 99	(%) 99
EFFICIENCY (PM10 REDUCTION):		(%) 99	(%) 99
10) HOW IS FILTER MONITORED FOR INDICATIONS OF DETERIORATION (E.G., BROKEN BAGS)?	CONTINUOUS	PRESSURE DROP	ALARMS-AUDIBLE TO PROCESS OPERATOR
	U VISUAL OPACITY READINGS, FREQUENCY:		
OTHER, SPECIFY:			** 
11) DESCRIBE ANY RECORDING DEVICE AND FREQUENCY OF LOG ENTRIES:			
Magnahelic pressure drop mon basis.  12) DESCRIBE ANY FILTER SEEDING		t the baghouse and wil	l be read on a weekly
12) BEGGRIBE ART THE TER GEEDING BEINGT EN GRAVED.			